

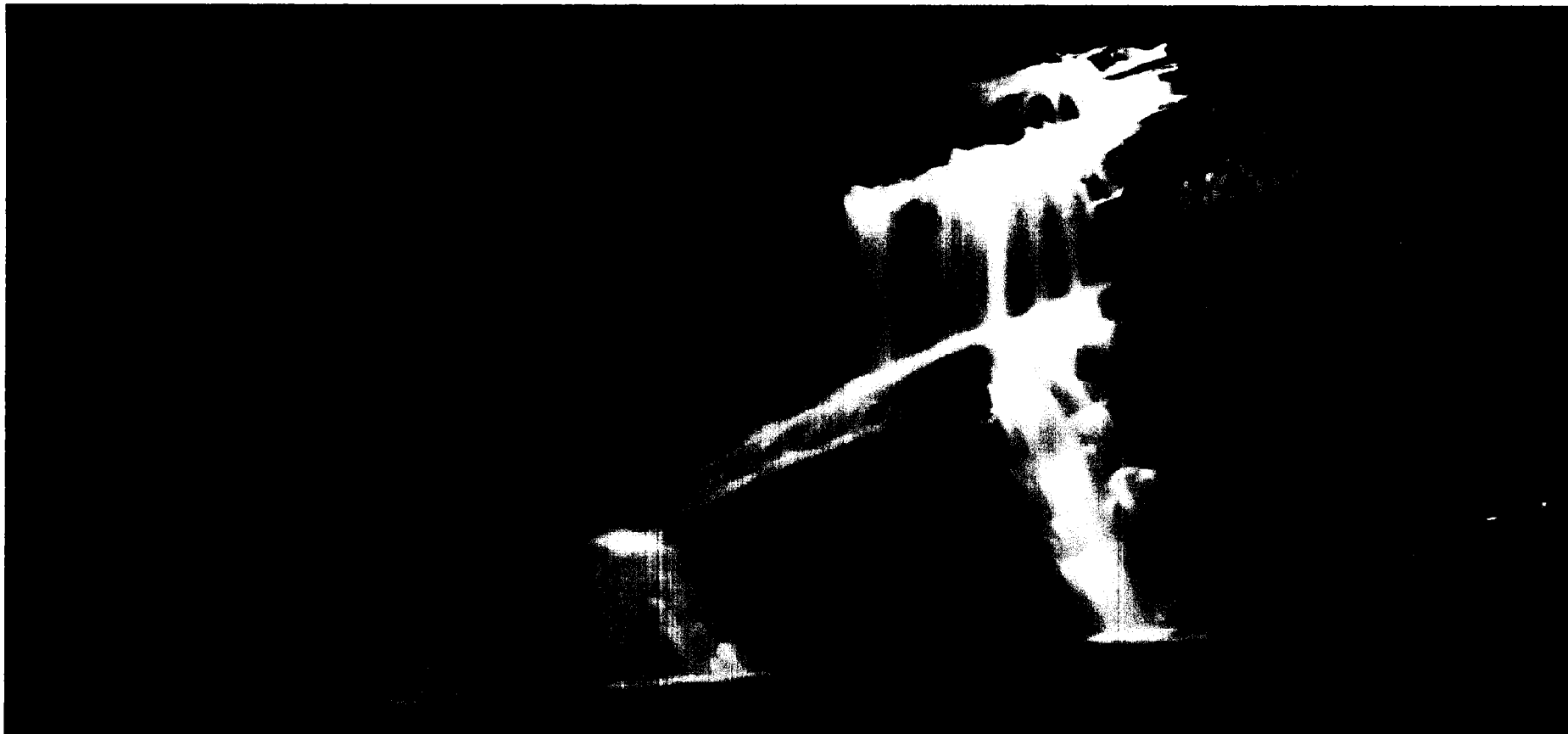
PHASE I ENVIRONMENTAL SITE ASSESSMENT

3801 – 3823 WEST MICHIGAN STREET

INDIANAPOLIS, INDIANA

MUNDELL PROJECT NO.: M01046

DECEMBER 29, 2003



MUNDELL & ASSOCIATES, INC.

Consulting Professionals for the Earth and the Environment

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MUNDELL PROJECT NO. M01046

Prepared for:

Mr. Daniel P. McInerny, Esq.
Bose McKinney & Evans LLP
2700 First Indiana Plaza
135 North Pennsylvania Street
Indianapolis, Indiana 46204

December 29, 2003

Prepared by:

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December 29, 2003

Mr. Daniel P. McInerney, Esq.
Bose McKinney & Evans LLP
2700 First Indiana Plaza
135 North Pennsylvania Street
INDIANAPOLIS, INDIANA 46204

Re: Phase I Environmental Site Assessment
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Dear Mr. McInerney:

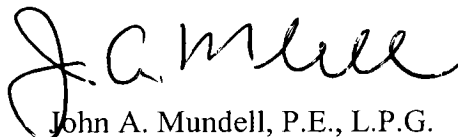
MUNDELL & ASSOCIATES, INC. (MUNDELL) has completed the Phase I Environmental Site Assessment for the Site per your request. This report, *Phase I Environmental Site Assessment*, includes the results of our findings from visual reconnaissance, historical ownership and land use review, records and regulatory review. Based on the results of this assessment, further evaluation of the Site is warranted.

We appreciate the opportunity to be of service to Bose McKinney & Evans LLP for this project and look forward to working with you on future assignments. In the meantime, if you have questions about information in this report or if we can be of further assistance, please contact MUNDELL at (317) 630-9060.

Sincerely,
MUNDELL & ASSOCIATES, INC.



Leena Lothe
Staff Environmental Engineer



John A. Mundell, P.E., L.P.G.
President/Senior Environmental Consultant

/lal

attachment: *Phase I Environmental Site Assessment*

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EXECUTIVE SUMMARY

In November 2003, MUNDELL & ASSOCIATES, INC. (MUNDELL) performed a Phase I Environmental Site Assessment (ESA) of the Michigan Plaza property located at 3801-3823 West Michigan Street in Indianapolis, Indiana (Site). The ESA included visual observations of the Site and limited observations of surrounding properties, review of historical ownership and land use, review of regulatory database listings and interviews of onsite staff.

The Site is located in a mixed residential/commercial and industrial area in the southwest side of Indianapolis. The Michigan Plaza consists of a single story, 'L' shaped commercial building with a number of retail and office tenants and asphalt-paved parking lots on approximately 1.5 acres of land. Records indicate that the land was farmland/residential prior to 1960s. The plaza building was constructed in the mid 1960s, and there have been no additions to the building after its construction.

The Site, throughout the time span covered by the City Directories (1890 to 2000) and the aerial photographs (1937 to 2002), has historically been undeveloped prior to the construction of the plaza, and then used as a commercial property. Review of information available at the Wayne Township Assessor's office indicated that the property was owned by David C. Eades and Roy H. Lambert in 1978. Prior ownership information is not available. The site was purchased in 1999 by AIMCO, and currently remains under its ownership. Environmental records were identified for the Site at the Marion County Health Department.

The Site/facility is registered in the federal Resource Conservation and Recovery Information System as a Small Quantity Generator (RCRIS-SQG) - hazardous waste generator, and in the FINDS database. No visual evidence that chemicals or hazardous wastes have been generated, treated, stored or disposed of on Site was apparent during the Site observation visit. No information was provided during Site interviews that would indicate the historical use, storage or disposal of hazardous waste materials. Only routine janitorial and maintenance supplies were observed.

One standard solid waste dumpster was located at the south side of the plaza, on the property. These are provided for incidental trash disposal. No odors, spills, or staining were noted around the dumpster, or anywhere else on the facility. Also, no spill or release events were recalled during on site AIMCO personnel interviews.

Although no survey for Asbestos-containing Materials (ACMs) was conducted in this current Phase I investigation, ACMs are suspected in the form of roofing materials, floor tiles, sheet vinyl flooring, ceiling tile and drywall. Two independent ACM surveys are

reported as conducted at the Site in 1992 and 1999, in the previous Phase I ESA for the Michigan Meadows Apartments and the Michigan Plaza, dated April 27, 1999, performed by Commercial Inspectors, LLC. Testing was performed at the Michigan Meadows Apartments. Asbestos was identified in the floor tile, sheet vinyl flooring, and associated mastic (see Section 2.6). However, no testing was apparently performed at the Plaza, although it is likely that similar construction materials were used. As such, these materials represent a potential environmental concern if not properly managed during demolition or renovation. Further testing should be conducted at the Plaza prior to demolition or renovation.

Two (two) overhead pole mounted transformers were observed at the Site. At the time of this evaluation, evidence of damage or past or present leakage or spills was not apparent. Blue decals, which indicate the transformer does not contain PCBs, were observed on the transformers. Therefore, there is a likely probability of no PCB content in the transformer. However, actual testing must be conducted to confirm the lack of PCB content.

No radon testing was performed as part of this current Phase I ESA. However, during previous testing performed in an earlier Phase I ESA completed by Commercial Inspectors, radon concentrations ranged from 0.6 to 6.8 pCi/L, indicating that radon poses a potential concern at the facility (see Section 2.7). The EDR Radius Report shows radon concentrations ranged from 4 to 20 pCi/L, indicating a potential concern at the Site (see Section 2.7).

Environmental subsurface investigations conducted by a number of environmental consultants since 1992 have disclosed volatile organic chemical (VOC) impacts to groundwater from the operations of the Site of the former General Motors Corporation Allison Gas Turbine Division (GM AGT) Plant 10 facility located due north of the Michigan Meadows Apartments across Little Eagle Creek. Groundwater sampling has indicated these impacts have apparently moved offsite and to the south (see Section 3.2 for a detailed discussion of these impacts). Indoor air quality investigations at the Site indicates the potential for indoor air impacts that require further study.

Federal database search indicated the historical presence of **Accent Cleaners** dry cleaners, located on Site at the Michigan Plaza, which used chlorinated solvents (e.g., perchloroethene) in its operations, and could be a potential environmental concern.

Also, federal, state regulatory database searches and local regulatory records indicated the presence of several Facilities in the vicinity of the Site with potential environmental concerns that could impact the Site's groundwater:

1. The **former GM AGT Plant 10** facility (also noted as the Former Allison Plant 10 in the databases) located north and upgradient of the Site (see Section 3.2 for a detailed review);
2. The **GMC Allison Transmission Plants 3 & 12/1**, located upgradient to the northwest of the Site, with several violations and enforcement actions;
3. The **Speedway/SM #6122** facility, located upgradient and north of the site, has four in-use USTs;
4. The **Marathon Ashland Petroleum Speedway** site, upgradient and north of the site, is a petroleum bulk storage and pipeline terminal with soil and groundwater impacts.

Therefore, based on the presence of the former dry cleaners on Site, the proximity of the above listed sites, the presence of known groundwater impacts at the Site, and the potential indoor air quality concerns as a result of these underlying groundwater impacts, further investigation is warranted to evaluate the extent of groundwater impacts beneath the Site and continued indoor air monitoring of the plaza. In addition, an ACM management plan should be developed that outlines the actions necessary for proper ACM control during demolition and construction.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
3801-3823 WEST MICHIGAN STREET
INDIANAPOLIS, INDIANA
MUNDELL PROJECT NO. M01046

1.0 INTRODUCTION

In November 2003, MUNDELL & ASSOCIATES, INC. (MUNDELL) conducted a Phase I Environmental Site Assessment (ESA) of the Michigan Plaza property located at 3801-3823 West Michigan Street in Indianapolis, Indiana (Site) on behalf of Mr. Daniel P. McNerny of Bose McKinney & Evans LLP. The location of the Site is presented in **Figure 1**, Site Vicinity Map. The Michigan Plaza consists of a single story, 'L' shaped commercial building with a number of retail and office tenants and asphalt-paved parking lots on approximately 1.5 acres of land. The Plaza currently consists of a Village Pantry (3801), a former Marion County Public Library (3805), a former Handicap Workshop (3815), a former office space (3817), Zacatecas, a Mexican grocery store (3819), and the Michigan Plaza Family Laundry (3823).

The primary purpose of this assessment was to identify documented and potential hazardous substances and/or chemical impacts to the Site from on-Site and/or off-Site sources. In accordance with the above-referenced agreement, MUNDELL performed walk-through observations of the Site, noted use of adjacent properties, and conducted a search of readily available historical and regulatory records. More specifically, the scope of services included the following:

1. Site and Adjacent Property Observations

Visual observations of the Site, on-site structures, and surrounding properties were made to identify potential sources or indications of chemical and/or petroleum impacts such as underground storage tanks (USTs), aboveground storage tanks (ASTs), potential sources of polychlorinated biphenyls (PCBs), chemicals and hazardous materials, areas with surface stains or distressed vegetation, and a visual observation of the building to evaluate the building's general condition. In addition, the immediately adjacent properties were observed from the Site, without being entered, for possible sources of impacts or environmental impairment which could migrate to the Site via surface water runoff, groundwater transport, or other pathways.

2. Geological Information

A review was made of available published geological and groundwater information obtained from the Soil Conservation Service and Indiana State Geological Survey for the Site vicinity.

3. Historical Review

A review of historical aerial photographs for the years 1937, 1956, 1962, 1966, 1971, 1974, 1987, 1992, 1993, 1995, 1997, 1999, 2000, 2001 and 2002 for the Site and adjacent properties was conducted to evaluate previous land use. Available historical Sanborn fire insurance maps and Indianapolis city directories were also reviewed for the Site and surrounding area. A review of a previous Phase I ESA, dated April 27, 1999, performed by Commercial Inspectors, LLC was also used to provide historical condition information concerning the Site.

4. Interviews with Site Representatives

Ms. Camille Pierce, community manager with AIMCO, Ms. Jennifer Novak, Manager at the Village Pantry (3801 W. Michigan Street), Edel Mira, Zacatecas (3819 W. Michigan Street), and Margarita Wilson, Manager at the Michigan Plaza Family Laundry (3823 W. Michigan Street) were interviewed with regards to the current and historical operations of the facility and possible past or present use of potentially hazardous materials at the Site.

5. Interviews with Local Government Officials

The Marion County Health Department was contacted to obtain information indicating recognized environmental conditions in connection with the property available in their files.

6. Environmental Records

A search of available environmental records associated with the Site was performed by Environmental Data Resources, Inc. (EDR) and reviewed by MUNDELL. This report meets the government records search requirements of the ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances were per ASTM standards. In addition, records for the Site and pertinent vicinity facilities were also reviewed at the Indiana Department of Environmental Management (IDEM).

2.0 SITE DESCRIPTION

The Site is located at the southeast corner of the intersection of Michigan Street and Holt Road in Indianapolis, Indiana. The adjacent properties are as follows: Michigan Meadows Apartments across Michigan Street to the North (Photo No. 10), and residential properties across wooded areas to the east, south and west (Photos No. 12 to 15). The Little Eagle Creek is just beyond the adjacent residential areas to the east. The current Site layout is presented in **Figure 2**.

Ms. Leena A. Lothe, Staff Environmental Engineer for MUNDELL, conducted the Site visit, on November 6th, 7th and 10th 2003. At the time of the Site visits, there were cloudy to clear skies, and it was about 40 to 45 degrees Fahrenheit. The Site visits consisted of property walkthroughs and visual observations of adjacent parcels of land.

In addition to the Site visit, readily available resources including soil surveys, aerial photographs, USGS topographic maps and city directories were reviewed. Referenced documents are included in **Appendix B**.

2.1 CURRENT GENERAL SITE CONDITIONS

The Site is located in a mixed residential/commercial and industrial area on the southwest side of Indianapolis. The Michigan Plaza consists of a single story, 'L' shaped commercial building with a number of retail and office tenants and asphalt-paved parking lots on approximately 1.5 acres of land. The Plaza consists of a Village Pantry (3801), a former Marion County Public Library (3805), a former Handicap Workshop (3815), a former office space (3817), Zacatecas, a Mexican grocery store (3819), and the Michigan Plaza family laundry (3823). The property was developed in the mid 1960s, was owned by David C. Eades and Roy H. Lambert in 1978 (Refer to the Prior Ownership History and Property Record cards obtained from the Wayne Township Assessor's office: **Appendix B and Appendix G**). Prior ownership information is not available. The site was purchased by AIMCO in 1999, and is currently owned by AIMCO.

The single-storied white brick building is bordered by grass areas and asphalt parking lots. The ground cover constituted landscaped areas, grass, bushes, and tree lines. There were no signs of any stunted or increased vegetative growth at the time of the site observations.

The topography of the Site is generally flat. Based on the USGS 7.5' digital elevation model (Indiana Quadrangle Topographic Map), the Site is approximately 715 feet above mean sea level. The Little Eagle Creek, to the east and the north of the site, beyond the residential areas is the closest surface water body. Runoff across the Site is likely to

occur toward the east/northeast of the property, towards the Little Eagle Creek. Also, run-on from the adjacent (northwest/west) properties is possible.

The facility was observed by MUNDELL from the inside, and appeared moderately clean and well-maintained. The plaza includes the following individual units:

1. Village Pantry (3801),
2. The former Marion County Public Library (3805),
3. A former handicap workshop (3815),
4. A vacant office space (3817),
5. Zacatecas-the Mexican grocery store (3819), and
6. The Michigan Plaza Family Laundry (3823).

The Village Pantry (3801), Zacatecas-the Mexican grocery store (3819), and the Michigan Plaza Family Laundry (3823) are currently active. They looked typical and moderately clean from inside. The inside of the library can be observed in Photos No. 28 and 29. The Marion County Public Library (3805), the Handicap workshop (3815) (interior illustrated in Photos No. 30 and 31), and the adjacent office space (Photos No. 32) were vacant/unoccupied spaces. The vacant office space had stains on the ceilings, which are depicted in **Figures 33 and 34**. The Family Laundry had a series of washing machines and dryer units, and looked fairly clean (**Photos No. 36 and 37**). Current use of dry cleaning solvents was not apparent at the laundry, and was not indicated during the interview of the Site representative. Representative photographs of the inside of the building are included in **Appendix A**.

The facility was thoroughly observed from the outside of the building. The Village Pantry (3801), former Marion County Public Library (3805), former Handicap Workshop (3815), a former office space (3817), Zacatecas, a Mexican grocery store (3819), and the Michigan Plaza Family Laundry (3823), are shown in Photos No. 3, 4, 6, 7, 8, and 9, respectively. No debris, or wastes were observed on the outside of the building. On the southside (backside of laundry and former dry cleaner area), two patches of asphalt were noted (Photo No. 20 and 21). The gas line was mounted on an asphalt mound, which was noted as atypical (Photo No. 17 and 18). Also, an old cooker like unit was observed at the southside of the plaza (Photo No. 19 and 22). An old water heater, an outlet pipe, and a sewer cleanout were observed at the west wall of the plaza (Photo No. 23, 25, and 24). Representative photographs are included in **Appendix A**.

Two (2) overhead pole mounted electrical transformers were observed on the site (see **Figure 1** for locations). A blue decal, which indicates the transformer does not contain PCBs, was observed on the transformers. There is a likely probability of no PCB content

in the transformer. However, actual testing must be conducted to confirm the lack of PCB content (**Appendix E**). Also, at the time of this evaluation, evidence of damage or past or present leakage or spills was not apparent. The property does not have any platform-mounted transformer units. Photo No. 16 illustrates the high capacity power lines running through the Site at its eastern boundary.

One dumpster (Photo No. 19) was located at the south side of the plaza, on the property. This is provided for incidental trash disposal. No odors, spills, or staining were noted around the dumpster, or anywhere else on the facility. Also, no such events were reminisced by any of the interviewees.

No pits, ponds, lagoons, or wetlands were identified on the property. Also, the property is located in the 100-year flood zone. Please refer to the overview map and the detail map in the EDR Radius Report (**Appendix C**).

Fluorescent lights were observed inside and outside the Michigan Plaza. However, based on their locations and frequent use, it is likely that all lights were manufactured after 1979 when PCBs were prohibited from being used in the lights. As such, it is likely that the lights do not contain PCBs.

2.1.1 Soils

The USDA Soil Survey of Marion County, Indiana (USDA, 1991) indicates that the Site consists of Urban land-Fox complex with estimated slopes between zero and three percent. The urban land complex indicates that fifty percent of the predominant soil type has been disturbed and has been covered with an impervious layer consisting of buildings, sidewalks, streets and other structures. The undisturbed areas of the complex retain the original soil characteristics. The Fox soils are identifiable in lawns, gardens, parks and other open areas. They have a representative profile of the series, but alteration is evident in many areas where topsoil has been stripped.

The Fox soil series generally consists of nearly level to moderately sloping, well-drained soils that are moderately-deep over sand and gravelly sand. The typical profile for the Fox series is as follows: the surface layer is dark brown loam 8 inches thick. The subsoil is 30 inches thick. The upper 10 inches is dark brown friable loam; the next 6 inches is dark brown, firm sandy clay loam; and the next 14 inches is dark brown, firm gravelly clay loam.

2.1.2 Regional Geology and Hydrogeology

The surface of Marion County consists of Pleistocene glacial deposits and recent alluvial stream deposits. Marion County is situated within the southern part of the physiographic region known as the Tipton Till Plain. While most of the glacial material in the county consists of fine-grained silts and clay, sand and gravel outwash soils are commonly found along major streams. These outwash deposits, which fill the White River Valley and its

major tributaries, were deposited in a complex fashion during what is thought to have been three primary ice advances and subsequent meltwater discharges from ice margins upstream from Marion County (Fleming et al., 2000). The Wisconsin-age sediments, within the White River Valley and a variety of smaller sand and gravel and fine-grained till units are distributed in a discontinuous nature throughout the valley.

The Site itself is situated with an area containing variable thickness of outwash overlying complexly interbedded sand and gravel and fine-grained glacial till. Thick unbroken sections of sand and gravel are present locally, and are typically unconfined within the upper portions of the system, and confined or semi-confined by bodies of glacial till at depth (Fleming et al., 2000). Estimated thickness of the unconfined sand and gravel outwash in the area ranges from 20 to 40 ft on top of an undifferentiated Pre-Wisconsinan glacial till (Brown and Fleming, 2000).

The bedrock beneath the unconsolidated deposits in Marion County consists of sedimentary rocks of Mississippian, Devonian and Silurian age. The bedrock surface slopes gently to the southwest. Therefore, younger Mississippian rocks are at the bedrock surface in the southwest corner of the county and progressively older Devonian and Silurian rocks are at the bedrock surface in the central and northeast portion of the county, respectively (Harrison, 1963; Fleming et al., 1993). Bedrock beneath the unconsolidated deposits at the site is Mississippian and Devonian age New Albany Shale. The top of the bedrock surface is estimated to be between EL 625 to EL 650 above MSL.

The site itself is located adjacent to the Little Eagle Creek. Based on local experience and published hydrogeologic data in this area (e.g., Meyer et al., 1975; Herring, 1976; Smith, 1983; Fleming et al., 2000), shallow regional groundwater levels in the vicinity are expected to range between EL 700 and EL 705 above MSL, with groundwater flow from the site generally towards the south-southeast in the direction of flow in Little Eagle Creek.

The surface waters of the White River, Eagle Creek and Fall Creek are sources of industrial and public water supplies and comprise approximately 90 percent of the water used in Marion County. The unconsolidated sand and gravel aquifers associated with the surface water bodies are the major source of groundwater supply in Marion County. The Little Eagle Creek is the principal surface water feature in the area. The Site is not located within a Marion County wellhead protection area (**Appendix F**).

The Site is located within one of seven Marion County Health Department (MCHD) No Well Zones (NWZs). NWZs have been designated by the MCHD, and reflect areas of contaminated groundwater identified by MCHD through routine sampling of potable wells. The MCHD requires permits for all water supply wells; however, with NWZs, no permits are granted by the MCHD.

2.2 WASTE MANAGEMENT AND CHEMICAL HANDLING

The Site/facility is registered as a RCRIS-SQG (small quantity generator) from former dry cleaning operations. No visual evidence that chemicals or hazardous wastes have been generated, treated, stored or disposed of on Site was apparent during the Site observation visit. No information was provided during Site interviews that would indicate the historical use, storage or disposal of hazardous waste materials.

Visual observation for the use/storage of hazardous materials was performed. Only routine janitorial and maintenance supplies were observed in the former handicapped workshop unit. In general, the chemical containers were undamaged, clearly labeled, and capped, with no apparent evidence of spills or leakage.

One standard solid waste dumpster (see Photo No. 19) was located outside along the southside of the plaza. This is provided for incidental trash disposal. No odors, spills, or staining were noted around the dumpster, or anywhere else on the facility. Also, no spill or release events were recalled by any of the interviewees.

2.3 STORAGE TANKS

2.3.1 Underground Storage Tanks (USTs)

Based on site observations and interviews with persons familiar with the Site, no information/evidence regarding USTs containing hazardous substances on the Site was apparent.

However, on the southside (backside of laundry and former dry cleaner area), two patches of asphalt were noted (Photo No. 20 and 21). The gas line was mounted on an asphalt mound, which was noted as atypical (Photo No. 17 and 18). Further investigations are required in order to find out if this could be indicative of UST installation.

2.3.2 Aboveground Storage Tanks (ASTs)

The two patches of asphalt noted on the southside (backside of laundry and former dry cleaner area), (Photo No. 20 and 21) need further investigation. The gas line was mounted on an asphalt mound, which was noted as atypical (Photo No. 17 and 18). Further investigations are required in order to find out if this could be indicative of AST installation. The interviews with site AIMCO personnel did not indicate the historical presence of ASTs on site.

2.4 UTILITIES

The city of Indianapolis supplies drinking water and sewage service to the Site. Electricity is supplied by Indianapolis Power & Light (IPL) via overhead secondary electrical service. Citizens Gas Utility supplies the natural gas to the Site.

2.5 POLYCHLORINATED BIPHENYLS (PCBs)

Polychlorinated biphenyls (PCBs) are toxic coolants or lubricating oils used in some electrical transformers, light ballasts, electrical panels or other similar equipment. PCB content in electrical transformers has been grouped into three categories by the Environmental Protection Agency (EPA):

<u>PCB Content</u>	<u>Classification</u>
< 50 ppm-----	non-PCB
50 to 499 ppm -----	PCB-contaminated
500 ppm and greater-----	PCB transformer

Utility companies often own transformer equipment and typically assume the responsibility for repair or replacement of damaged or leaking units and for required cleanup or remediation activities. Indications of damage or leakage should be immediately reported to the responsible utility company.

A total of two (2) overhead pole-mounted electrical transformers were observed across the Site. These are owned and operated by Indianapolis Power and Light (IPL) on the property. No platform-mounted transformers were noted on the property. Blue decals, which indicates the transformer does not contain PCBs, were observed on the transformers. Therefore, there is a likely probability of no PCB content in the transformer. However, actual testing must be conducted to confirm the lack of PCB content (see **Appendix E**). Also, at the time of this evaluation, evidence of damage or past or present leakage or spills was not apparent.

2.6 ASBESTOS-CONTAINING MATERIALS (ACMs)

Typical building materials that contain asbestos are found in a variety of types and uses. Frequently-encountered types of asbestos-containing materials (ACMs) used in building construction include floor tile, sheet flooring, mastic, ceiling tile, spray-applied acoustical/decorative ceiling materials, plaster, wallboard and wallboard joint compound, insulations, roofing and flashing, and many other materials in common use prior to 1978. Materials that contain over one percent asbestos fibers are considered ACMs and must be handled according to Occupational Safety and Health Administration (OSHA) and USEPA regulations if disturbed.

ACMs identified as “friable” (capable of being crumbled, pulverized, or reduced to powder by hand pressure) have a greater potential for release of fibers to the atmosphere and are therefore of greater concern than non-friable ACMs. Friable ACMs that are damaged require renovation or removal and are therefore of greatest immediate concern.

An ACM survey was not conducted as part of this Phase I ESA. Two independent ACM surveys are reported as conducted at the Site in 1992 and 1999, in the previous Phase I ESA for the Michigan Meadows Apartments and the Michigan Plaza, dated April 27, 1999, performed by Commercial Inspectors, LLC. Testing was performed at the

Michigan Meadows Apartments. Asbestos was identified in the floor tile, sheet vinyl flooring, and associated mastic (see Section 2.6). However, no testing was apparently performed at the Plaza, although it is likely that similar construction materials were used. As such, these materials represent a potential environmental concern if not properly managed during demolition or renovation. Further testing should be conducted at the Plaza prior to demolition or renovation. (See **Appendix H** for previous study results).

MUNDELL recommends all ACM and suspected ACM be managed according to an ACM Operations and Maintenance (O & M) Program which follows U.S. Environmental Protection Agency (U.S. EPA) guidelines. This program should be based on a comprehensive asbestos survey with extensive sampling and analyses to more accurately quantify and qualify ACMs on site. If the ACMs become damaged, or in the event of renovation or demolition which may disturb these materials, they should be handled according to federal, state and local regulations.

2.7 RADON

The U.S. EPA uses a continuous exposure level of 4.0 pCi/L (picoCuries per liter of air) as a guidance level at which remedial action is recommended. According to the U.S. EPA radon mapping for Indiana, Marion County is located in a Zone 1, which represents the highest potential for the presence of radon exceeding 4.0 pCi/L. For the over 70 radon samples taken within the 46222 zip code as part of the U.S. EPA database of readings, the radon gas levels varied between 4 to 20 pCi/L, with an average first floor dwelling concentration of 5.100 pCi/L, and an average basement reading of 8.625 pCi/L.

No radon testing was performed as part of this current Phase I ESA. However, during previous testing performed in the earlier Phase I ESA completed by Commerical Inspectors, radon concentrations ranged from 0.6 to 6.8 pCi/L, indicating that radon poses a potential concern at the facility. Because levels of radon gas fluctuate daily and monthly, the U.S. EPA recommends follow-up testing to determine annual average concentrations. If additional testing confirms elevated radon levels, consideration should be given for taking remedial measures to reduce the concentrations.

2.8 LEAD-BASED PAINT (LBP)

In general, the painted interior surfaces of the tenant units were in good condition, with no chipping, peeling or cracking paint observed. No sampling and testing for LBP was conducted as part of the current Phase I ESA. Lead-based paint sampling during the previous Phase I ESA for the Michigan Meadows Apartments and the Michigan Plaza, dated April 27, 1999, performed by Commercial Inspectors, LLC indicated that the samples tested negative for lead.

2.9 ELECTROMAGNETIC FIELDS (EMFs)

The presence of high-voltage transmission lines across the eastern portion of the Site may cause elevated levels of radiation from EMFs to be present at or near these lines. This Phase I ESA did not include an evaluation of the level of this potential increase. Although no scientifically valid studies have confirmed a causal link between exposure to such elevated radiation from EMFs and health effects in humans, such as cancer, several states and scientific associations have set guidelines.

Currently, there are no federal standards limiting occupational or residential exposure to low-frequency (60-Hz) EMF from transmission lines. At least six states (Florida, Minnesota, Montana, New Jersey, New York, Oregon) have set standards for the maximum transmission line electric field strengths (ranging from 7 to 11.8 kilovolts per meter (kV/m) within right-of-ways; 1 to 3 kV/m at the edge), and two states (Florida and New York) have set standards for the maximum magnetic field strength (ranging between 150 to 250 Gauss (G) at the edge of the right-of-way) that existing lines produce at maximum load-carrying conditions.

Two organizations, the International Commission on Non-Ionizing Radiation Protection (ICNIRP) and the American Conference of Governmental Industrial Hygienists (ACGIH) have developed voluntary occupational exposure guidelines for EMF exposure (see **Table 1**). These guidelines are intended to prevent effects, such as induced currents in cells or nerve stimulation, which are known to occur at high magnitudes, and are not intended to demarcate safe and dangerous levels.

Table 1. EMF Exposure Guidelines

Exposure (60 Hz)	Electric Field, kV/m	Magnetic Field, G
ICNIRP (1998)	8.3	4.2
ACGIH (2001)	25	10

Note: The International Commission on Non-Ionizing Radiation Protection is an organization of 15,000 scientists from 40 nations who specialize in radiation protection; American Conference of Governmental Industrial Hygienists is a professional organization that facilitates the exchange of technical information about worker health protection.

3.0 SITE HISTORY AND ADJACENT LAND USE

Past land uses were investigated to identify historical practices or conditions that may have impacted the Site. This included a chain-of-ownership records review, an analysis of aerial photographs, and interviews with present owners. The historical and current uses of adjacent properties were evaluated to identify potential environmental impacts to the Site.

3.1 HISTORICAL USE INFORMATION REVIEW

3.1.1 Chain-of-Ownership / Historical Use

A search of the past property ownership/use was conducted by MUNDELL. The past property ownership/use was evaluated utilizing county tax assessor records, city directories and historical aerial photographs.

The current plaza building was constructed in the mid 1960s. The assessor records show that the property was owned by David C. Eades and Roy H. Lambert in 1978. Prior ownership information is not available. The site was purchased in 1999 by AIMCO, and currently remains under its ownership.

Review of Indianapolis city directories (from 1890 through 2000 in ten year increments), and a review of historical aerial photographs indicate that the Site, throughout the time span covered by the city directories, has historically been farmland/residential, and then used as a commercial property. The Site appears first in the 1930 city directories in the name of POTTER JOHN A(R) GRO (3811). The complete city directory search results are presented in **Appendix B**.

From the federal database review (past activities), the following potential concern (dry cleaners) was noted. The federal database review identified the facility in the RCRIS-SQG and the FINDS (Facility Index System - Federal ASTM supplemental) databases as 'ACCENT CLEANERS'. Accent Cleaners is classified as a Conditionally Exempt Small Quantity Generator (SQG), with no TSDF activities reported. The EPA id is IND133360693, and there have been no violations documented for the facility.

3.1.2 Aerial Photography

Copies of aerial photographs taken on specific days in 1937, 1956, 1962, 1966, 1971, 1974, 1987, 1993, 1995, 1997, 1999, 2000, 2001, and 2002 were obtained from EDR and the Indygov.org, the official web site of the City of Indianapolis and Marion County, Indiana. These were evaluated to identify changes in land use and areas of potential environmental concern. Selected copies of the aerial photographs are included as **Figures 3 to 7**. Additional aerial photographs are contained in **Appendix B**.

Prior to 1966, the Site is shown to be a farmland/residential land. The current on-site building first become visible in the 1966 photo, and has remained consistent since their construction. No unusual site features or activities were noted since the construction of the plaza. Significant commercial growth and use changes have occurred in the properties surrounding the Site throughout the coverage period.

No readily apparent on site environmental concerns such as illegal dumping, stockpiled materials, or spills were disclosed by reviewing the aerial photographs.

3.2 PREVIOUS INVESTIGATIONS

Environmental subsurface investigations conducted by a number of environmental consultants (e.g., Engineering Science, Inc.; Fluor Daniel GTI, Keramida Environmental) since 1992 have disclosed volatile organic chemical (VOC) impacts to groundwater from the operations of the site of the former General Motors Corporation Allison Gas Turbine Division (GM AGT) Plant 10 facility located due north of the Michigan Meadows Apartments across Little Eagle Creek. Groundwater sampling has indicated these impacts have apparently moved offsite (south) to the Site (see Section 8.0 for a list of report references). The site has been entered into the IDEM Voluntary Remediation Program (VRP) by its current owner, the Genuine Parts Company.

A company named BHT Corporation (BHT), the previous owners of the former GM AGT Plant 10 facility utilized trichloroethylene (TCE) as a parts degreaser in their parts rebuilding operations from the 1950s to the 1970s. Prior to 1956, the property north of Michigan Meadows Apartments was vacant land. Between 1956 and 1973, BHT operated the facility for carburetor and brake re-manufacturing. General Motors purchased the property from BHT in 1973, and subsequently used it for warehousing obsolete machines, tooling, and fixtures until the mid-1980s. The property became part of the GM AGT Division in 1973.

3.2.1 GM AGT Plant 10 Soil and Groundwater Impacts

Engineering Science, Inc. (ESI) conducted a *Phase I* at the GM AGT Plant 10 site (1992 and 1993), and the Plant 10 site was identified as a potential area of concern (PAOC). A follow-up assessment was conducted in November 1993, and was documented as *Phase II Assessment* Final report for General Motors Corporation Allison Gas Turbine

Division. Results of this investigation identified trichloroethene (TCE), vinyl chloride (VC), 1,2-dichloroethene (1,2-DCE), tetrachloroethene (PCE), toluene, and methylene chloride in the soil on-site. Compounds most frequently detected included TCE, 1,2-DCE, and VC.

OBG conducted a *Buyer Environmental Assessment* for the former GM AGT Plant 10 facility in March of 1994. VOCs detected in the subsurface soil were 1,2-DCE and TCE. VOCs detected in the groundwater were trans-1,2-DCE, cis-1,2-DCE and TCE. Between June 1995 and January 1997, Fluor Daniel GTI conducted additional investigation activities, which included installation, and monitoring of additional monitoring wells (on-Site and off-Site), soil and groundwater collection via push probe methods, Little Eagle Creek stream gauging, surface water sampling, and slug testing. These results are documented in their *Feasibility Study Report* (June 1997) and *Remedial Investigation* report (September 1997).

As a part of the *Phase II* investigation for the *Remediation Work Plan (RWP)* (March 2002; October 2002), Keramida conducted off-site subsurface sampling for volatile organic chemicals (VOCs), including testing at 3800 to 3823 West Michigan Street and the surrounding areas. One soil boring KB-24 located south/southwest of the Plaza Building exhibited a PCE concentration of 16 mg/kg above the groundwater table. The concentration exceeded the VRP Tier II Non-Residential cleanup goal. The source of this impact was not identified. Off-Site groundwater samples taken from both the shallow and deep groundwater system indicated chlorinated solvent groundwater impacts (most notably cis-1,2-DCE and vinyl chloride) beneath the Plaza above VRP Tier II Residential and Non-residential cleanup goals. Selected figures from these reports the results are attached in **Appendix I**.

3.2.2 Review of Keramida March 2002 Phase II Investigation

The most recent *Phase II* investigation by Keramida (Kerimida, 2002) established a clear connection between the contamination found at the former Allison facility and the contamination detected beneath the Michigan Meadows Apartments and at the Michigan Plaza. MUNDELL's October 2002 review of the study stated that the investigation failed to delineate the full vertical and horizontal extent of chemical impacts to the underlying groundwater system. The organic chemical groundwater plume maps for dissolved cis-1,2-DCE, TCE, and vinyl chloride (VC) shown in the Keramida *Phase II* (see Figures 20, 21 and 22 in the attached **Appendix I**) had been developed using widely spaced groundwater monitoring wells. MUNDELL believed that these wells do not adequately define those plumes beneath the Properties, and that additional shallow and deep monitoring wells placed immediately south of Little Eagle Creek on the north side of the Michigan Meadows property, as well as others to the southeast (downgradient of the apparent plume centerlines) and south (beyond Michigan Plaza) were necessary to provide more detailed plume definition.

MUNDELL also indicated that the potential exists for a deeper dense-nonaqueous-phase liquid (DNAPL) solvent source to have migrated from the Plant onto the Michigan Meadows Apartment property. As such, MUNDELL believed that the proposed chemical source treatment at the Plant site would not be effective in reducing the observed high groundwater concentrations beneath the Site. MUNDELL recommended that additional soil borings and monitoring well installations would be necessary to provide enough information to develop an informed remedial plan.

MUNDELL has indicated that not enough chemical sampling has been completed in Little Eagle Creek to determine the transient variation in concentrations that may be present in this nearby surface water body. This lack of data suggested to MUNDELL that the evaluation produced an inaccurate assessment of the potential exposures the tenants and the visitors experience as they come into direct contact with the waters of Little Eagle Creek.

MUNDELL review also indicated that no data had been collected by Keramida during the Phase II investigation to determine if the groundwater plume beneath the Site was causing indoor air impacts that are a human-health concern to its residences. Based on this review, MUNDELL recommended that additional soil borings, monitoring wells, sediment and surface water sampling, and air monitoring within the Properties be completed as part of future activities.

3.2.3 MUNDELL's January 2002 Air Quality Study

Based on MUNDELL's review of the Keramida groundwater testing results available during the fall of 2001, a possible concern was raised that some or all of these volatile organic chemicals may find their way into the utility or living spaces of the apartment buildings located above the impacted groundwater plume. Therefore, an initial study was designed to detect potential impacts to indoor air quality at the Site that could cause a human-health concern to the current residents.

In December 2001, air quality samples were collected by MUNDELL from five Michigan Meadows Apartments buildings (Bldg Nos. 15, 16, 17, 19 and 20) located in the northwestern portion of the site nearest the former Allison facility over the most severely impacted portion of the groundwater plume. The subsurface investigations conducted by Keramida indicated significant levels of four chemicals of concern (COCs) in the shallow groundwater beneath this area of the property: TCE, PCE, cis-1,2-DCE, and vinyl chloride. Three air samples were collected from the laundry rooms in the basements of the buildings (Bldg Nos. 15, 19 and 20) and two samples were collected within available basement apartments (Apts. 1601 and 1702).

The analytical results of the limited air quality sampling at the Site performed by MUNDELL indicated low concentrations of TCE, PCE, cis-1,2-DCE and vinyl chloride were detected in selected air quality samples collected for this study. As a means of

comparison for the analytical results, MUNDELL referred to risk-based methods utilized by federal regulatory agencies to develop life-time and site-specific inhalation and exposure concentrations for the constituents of concern. Three air samples indicated airborne concentrations slightly above the calculated life-time risk-based concentrations for TCE: Building 15 and 20 laundry rooms, and Apartment 1702. None of the other chemicals were found above life-time risk-based concentrations. However, no chemicals exceeded the calculated site-specific risk-based concentrations.

3.2.4 Review of Keramida October 2002 RWP

In October 2002, Keramida submitted a *RWP* to the IDEM VRP that outlined its plans for the remediation of the former GM AGT Plant 10 facility. MUNDELL's February 2003 review of the *RWP* indicated that it fell significantly short of addressing the groundwater impacts that have been disclosed on the Site from the Plant. The *Phase II* investigation was found to still not adequately define the vertical and horizontal groundwater impacts to the Michigan Meadows property and the Michigan Plaza. As such, additional shallow and deep monitoring wells were recommended by MUNDELL.

The *RWP* also attempted to provide justification to support a conclusion that alternative potential sources of contamination were the cause of the observed groundwater impacts beneath the Properties. However, MUNDELL (MUNDELL, 2003) pointed out that the potentiometric maps provided in the *RWP* (Figures 9a through 9h) as well as groundwater analytical maps in the *RWP* (Figure 12b and 13a for cis-1,2-DCE; Figure 12c and 13b for vinyl chloride) and plume maps in the *Phase II Investigation Report* (Figures 20a and 20b for cis-1,2-DCE, and Figure 22a and 22b for vinyl chloride), clearly demonstrated that the former GM AGT Plant 10 facility is directly upgradient of the property and the likely sole source of impacts.

As indicated by the earlier Keramida *Phase II Investigation*, MUNDELL also found that the *RWP* discounted the potential for dense non-aqueous phase liquids (DNAPLs) moving onto the Michigan Meadows Site, and that it did not address potential groundwater impacts to the indoor air quality at the Site. The *RWP's Risk Assessment* failed to account for the potential impact that off-site movement of volatile organic chemicals beneath the Properties has on the current Properties residents. As such, no additional data had been collected during the *RWP Phase II investigation* to determine if the groundwater plume beneath the Site is causing indoor air impacts that are a human-health concern to its residences, even though preliminary air monitoring completed by MUNDELL in December 2001 and subsequently reported to IDEM clearly indicated detectable levels of selected volatile organic chemicals (mirroring those released at the Plant) at low concentrations that should be evaluated with additional testing.

MUNDELL also found that the limited testing of samples of the sediment, sediment pore water and surface water of Little Eagle Creek did not allow for the conclusion that the levels of cis-1,2-DCE represent an 'insignificant potential threat to ecological receptors,'

as suggested by Kerimida. In addition, no evaluation was completed for potential dermal contact with the surface waters by human receptors via recreational or incidental exposure. Due to the minimal number of sample locations (three) and the lack of data collected throughout at least one entire hydrologic cycle, the results upon which the conclusions were based may provide an inaccurate assessment of the potential exposures through recreational activities that the residents of the Properties or its visitors experience as they come into direct contact with the waters of Little Eagle Creek.

Finally because of the deficiencies found in the *Phase II investigation* and the remaining wastes buried beneath the plant building, MUNDELL believed that it is likely that other Plant source areas will not be adequately investigated or remediated. The *RWP* contained no proposal for actively remediating the off-site groundwater contamination identified beneath the Michigan Meadows Apartments and the Michigan Plaza. Without treatment of all existing significant source areas, a time-to-cleanup estimate on the order of decades was estimated by MUNDELL. In addition, without more aggressive treatment of both on-site and off-site chemical sources, continuing potential impacts to indoor air quality of the Michigan Meadows Apartments and the Michigan Plaza buildings could remain over a long period of time.

3.2.5 MUNDELL's April 2003 Air Quality Study

Selected indoor air sampling had been performed by MUNDELL on December 10, 2001. that detected the presence of volatile organic chemicals at low concentrations in several apartment building basement areas in the northwestern portion of the Michigan Meadows property nearest to the former GM AGT Plant 10 facility. These findings, along with a review of the subsurface investigations and remediation conducted by Keramida as part of the VRP activities, raised a concern that additional investigations at the Michigan Meadows Apartments and the Michigan Plaza were warranted to further define the severity and extent of groundwater impacts, and the resulting potential impact on indoor air quality for the facilities. As such, MUNDELL completed a more comprehensive indoor air quality investigation during April 2003 in coordination with IDEM and the Marion County Health Department (MCHD) designed to detect potential impacts at the Site that could pose a human-health concern to the current residents and tenants. The final results of this investigation were made available for review by IDEM and the MCHD to supplement ongoing studies by Keramida. In addition, the results were also provided to the current residents of Michigan Meadows Apartments and the tenants of Michigan Plaza.

Air quality samples were collected from 23 Michigan Meadows Apartments buildings (Bldg Nos. 1 through 23) and 4 tenant units (3801, 3805, 3815 and 3817 West Michigan) at the Michigan Plaza Shopping Center. Air samples were collected from the laundry rooms in the basements of 15 apartment buildings (Bldg Nos. 1, 2, 3, 4, 6, 7, 9, 10, 11, 12, 14, 16, 19, 21 and 23) and 8 samples were collected within available unoccupied basement apartments (Apts. 501, 802, 1301, 1501, 1703, 1803, 2002 and 2203). Each air

sample was collected in a six-liter, evacuated, stainless steel Summa Canister equipped with a passive flow controller set to fill the canister over a 24-hour period.

All 32 air samples collected were tested for the four chemicals of concern (COCs) previously identified in the shallow and deep impacted groundwater beneath the former GM AGT Plant 10 facility and the Site during the Keramida VRP investigations: tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC). In addition, three soil gas samples and one indoor air apartment building sample were selected for a more detailed analysis that included testing for a suite of 51 volatile organics. The sampling and testing program followed the general principles outlined in the *Massachusetts Indoor Air Sampling and Evaluation Guide* (WSC Policy #02-430, April 2002, Office of Research and Standards, Department of Environmental Protection) which is being considered as the basis for future IDEM indoor air quality policy development.

In addition to the indoor air sampling activities, the evaluation also included the collection of 5 soil gas samples and 5 groundwater samples taken at the installed soil gas monitoring well locations. Sampling locations were determined based on impacted groundwater data contained in previous investigations conducted by Keramida. Four sampling points were designated within Michigan Meadows Apartments and one within the parking lot of the Michigan Plaza Shopping Center.

The results of this investigation indicated that five (5) indoor airborne concentrations were above current draft U.S. EPA guidance target indoor air concentrations and IDEM draft default concentrations for PCE: Building 1, and all 4 sampled tenant units in Michigan Plaza Shopping Center. Nine (9) air samples indicated airborne concentrations above either the U.S. EPA and IDEM concentrations for TCE: Buildings 1, 6, 7, 10, 11, 12, 13, 20 and 21, and all four tenant units in the Michigan Plaza Shopping Center. None of the other two COCs (i.e., 1,2-DCE and vinyl chloride) were found above U.S. EPA and IDEM draft vapor concentration levels.

The results of this second indoor air investigation indicated the following:

- 1) The shallow groundwater beneath the Michigan Meadows site is impacted above IDEM RISC residential levels for the chlorinated solvents PCE, TCE and cis-1,2-DCE.
- 2) Detectable levels of volatile organic chemicals were observed in air samples taken from the unsaturated zone soil gas monitoring wells beneath the site.
- 3) These chemicals appear to be moving up through the unsaturated zone, and making their way through the building foundations and floor slabs where they have been detected in all of the basement level apartments or laundry rooms of the Michigan Meadows Apartment buildings and each of the tenant units tested at the Michigan Plaza Shopping Center.

- 4) Nine of the 23 apartment buildings (Buildings 1, 6, 7, 10, 11, 12, 13, 20 and 21) exhibit concentrations of either PCE or TCE in their basement areas above current draft U.S. EPA or IDEM target vapor levels.
- 5) Concentrations of both PCE and TCE above the U.S. EPA and IDEM draft levels were found in the four tenant spaces at Michigan Plaza Shopping Center.

A July 1, 2003 response letter was received from IDEM after review of MUNDELL's April 2003 air investigation report. IDEM stated that it did not believe the information presented indicated an imminent health threat requiring immediate action to relocate people or businesses or other immediate abatement action. IDEM did feel that the report indicated the potential for a vapor intrusion problem at Michigan Meadows Apartments and Michigan Plaza, and that further investigation was prudent (see Appendix K for a copy of the IDEM letter).

3.3 ADJACENT LAND USE

Properties in the immediate vicinity of the Site were examined from curbside. The area surrounding the Site is residential, mixed commercial and industrial. More specifically, the adjacent properties are as follows: Michigan Meadows Apartments across Michigan Street to the North (Photo No. 10), and residential properties across wooded areas to the east, south and west (Photos No. 12 to 15). The Little Eagle Creek is just beyond the adjacent residential areas to the east. The current Site layout is presented in **Figure 2**.

Observations at the time of the Site reconnaissance did not indicate any obvious visual evidence of surficial environmental impacts from the surrounding properties.

4.0 RECORDS REVIEW

A review of databases and files from federal, state, and local environmental regulatory agencies was conducted to identify use, generation, storage, treatment or disposal of hazardous materials and chemicals, or release incidents of such materials, which may impact the Site. Environmental Data Resources, Inc. (EDR) provided the federal and state environmental database information to MUNDELL.

4.1 FEDERAL RECORDS

The federal environmental databases listed below have been reviewed to obtain information pertaining to the Site and properties within the listed approximate search distance of the Site. Also listed are the month and year when the database was last updated.

Table 1. Federal Database Search		
FEDERAL DATABASE	Search Radius (miles)	Last Update
NPL: National Priorities List	1.00	7-22-03
CERCLIS (Active): Comprehensive Environmental Response, Compensation, and Liability Information System (Active)	1.00	9-11-03
CERCLIS (NFRAP Archive): Comprehensive Environmental Response, Compensation, and Liability Information System-- No Further Remedial Action Planned (Archive)	1.00	9-11-03
RCRIS TSD: Resource Conservation and Recovery Act Information System - Treatment, Storage, and Disposal Facilities	1.00	9-10-03
RCRIS: Resource Conservation and Recovery Act Information System (RCRIS) - Hazardous Waste Generators (large [LQG] and small [SQG] quantity generators)	0.25	9-10-03
CORRACTS: Resource Conservation and Recovery Information System - Corrective Action Sites	1.00	9-17-03
ERNS: Emergency Response Notification System	0.25	12-31-02
TRIS: Toxic Release Inventory System	0.50	12-31-01
TSCA: Toxic Substances Control Act Inventory	1.00	12-31-98
PADS: PCB Activity Database System	1.00	6-30-03
RODS: Record of Decision	1.00	7-9-03
Delisted NPL: National Priorities List	1.00	7-22-03
FINDS: Facility Index System/Facility Identification Initiative Program Summary Report	1.00	7-25-03

The federal database review identified the facility in the RCRIS-SQG and the FINDS (Facility Index System - Federal ASTM supplemental) databases as 'ACCENT CLEANERS. Accent Cleaners is classified as a Conditionally Exempt Small Quantity Generator (SQG), with no TSDF activities reported. The EPA id is IND133360693, and there have been no violations documented for the facility.

The FINDS database listed the following 'Other Pertinent Environmental Activity Identified at Site':

- Facility Registration System (FRS)
- Resource Conservation and Recovery Act Information System (RCRAINFO)

Five facilities within the specified search distances were recorded in the Federal databases, and are listed below:

GMC Allison Transmission Plants 3 & 12/1

Location: 0.77 miles WNW

Database(s): CORRACTS, PADS, RCRIS-LQG, FINDS, CERC-NFRAP

General Motors Plant 10

Location: Approx. 0.2 miles NNE

Database(s): RCRIS-SQG

Former Allison Plant 10

Location: Approx. 0.21 miles NNE

Database(s): RCRIS-SQG, FINDS

Marathon Ashland Petroleum Speedway

Location: 0.81 miles N

Database(s): RCRIS-SQG, FINDS

Michigan Apartments

Location: 3800 West Michigan Street

Database: FINDS

Other pertinent environmental activity identified at the site was:

- Facility Registration System (FRS)
- State Systems (STATE)

Within the CORRACTS database, which identifies hazardous waste handlers with RCRA corrective action activity, GMC Allison Transmission Plants 3 & 12/1 had two entries detailing the corrective action at the site. This facility was identified in the CERCLIS-NFRAP database (alias names-Detroit Diesel Allison Div GM Corp, Detroit Diesel (SIA), and Allison Transmission-GM). The facility is classified as a 'LQG'-large

quantity generator'. There are 23 violations and 29 enforcement actions (27 written informal and two Final 3008(A) Compliance Orders) listed for the facility within the RCRIS database.

The areas of violation are:

- Generator Pre-transport Requirements
- TSD-Tanks Requirements
- TSD-LAND BAN Requirements
- Generator-General Requirements
- Generator-Manifest Requirements
- INUWR
- INUOA
- Generator-All Requirements (Oversight)

The FINDS database listed the following 'Other Pertinent Environmental Activity Identified at Site':

- AIRS Facility System (AIRS/AFS)
- Biennial Reporting System (BRS)
- Facility Registration System (FRS)
- ICIS
- NEI
- National Compliance Database (NCDB)
- National Emissions Trends (NET)
- Resource Conservation and Recovery Act Information System (RCRAINFO)
- State Systems (STATE)
- Toxic Chemical Release Inventory System (TRIS)

General Motors Plant 10 was listed in the RCRIS-SQG database, classified as a small quantity generator (SQG) with no TSD activities reported, and no violations found. The EPA id for the facility is INR000010926.

Former Allison Plant 10 was identified in the RCRIS-SQG database, classified as a small quantity generator (SQG) with no TSD activities reported, and no violations found. The EPA id for the facility is INR000806810.

The FINDS database listed the following 'Other Pertinent Environmental Activity Identified at Site':

- Biennial Reporting System (BRS)
- Facility Registration System (FRS)
- Resource Conservation and Recovery Act Information System (RCRAINFO)

Marathon Ashland Petroleum Speedway was identified in the RCRIS-SQG database, classified as a small quantity generator (SQG) with no TSD activities reported, and no violations found. The EPA id for the facility is INR005417126.

The FINDS database listed the following 'Other Pertinent Environmental Activity Identified at Site':

- AIRS Facility System (AIRS/AFS)
- Facility Registration System (FRS)
- NEI
- Permit Compliance System (PCS)
- Resource Conservation and Recovery Act Information System (RCRAINFO)
- State Systems (STATE)
- Toxic Chemical Release Inventory System (TRIS)

The addresses of the properties and the approximate distance, direction, and elevation relative to the Site are listed in the EDR Report in **Appendix C**.

4.2 STATE RECORDS

The state environmental record sources listed below have been reviewed to obtain information pertaining to the Site and properties within the listed approximate search distance of the Site. Also listed are the month and year when the sources or databases were last updated.

Table 2. State of Indiana Environmental Record Search		
STATE DATABASE	Search Radius (miles)	Last Update
SHWS: Indiana Hazardous Waste Sites	1.00	12-1-02
SWF: Indiana Permitted Solid Waste Facilities	1.00	7-11-03
LUST: Indiana Leaking Underground Storage Tank List	0.50	9-24-03
UST: Indiana Registered Underground Storage Tank List	0.25	9-24-03
SPILLS: Spill Incidents	0.25	9-24-03

The Site was not identified in the state database search.

Four facilities within the specified search distances were recorded in the State databases, and are listed below:

Coca Cola Bottling (3800 W. Michigan Street)

Database(s): UST, LUST,

One reported low priority LUST, with impacted soil, and one UST (not reported).

3800 West Michigan Street

Database: IN SPILLS

Floral Park Cemetery

Location: 0.35 miles SE

One reported low priority LUST, with impacted soil; one permanently out of service UST.

Speedway/SM #6122

Location: 0.25-0.5 miles N

One reported low priority LUST, with impacted soil; nine USTs.

Marathon Ashland Petroleum Speedway

Location: 0.81 miles N

Database: SHWS

The databases of USTs and LUSTs within the state of Indiana are maintained by IDEM. According to these databases, a total of eleven USTs and three LUSTs are identified within half a mile of the Site.

According to the database search, one UST and one LUST have been located at the 3800 W. Michigan Street Site. The tank status, install date and closure date for the UST (Facility id: 20068) are not reported. The LUST is reported as active and of 'low' priority (Incident number: 198802048). During the Site survey, no signs of Coca Cola Bottling (Facility id 20068), or of any UST/LUST were observed.

One of the USTs and one of the LUSTs were listed under Floral Park Cemetery with one facility identification number (14038). The UST is permanently out of service.

One LUST and nine USTs were listed under Speedway/SM #6122 with one facility identification number (6663). Four of these USTs were 'currently in service', and five were 'permanently out of service'. Based on the location of the Site, Speedway/SM #6122 is upgradient of the Site, and further investigation is necessary since there are four in-service USTs identified in the database. A complete listing of UST and LUST facilities found within the search distance, including a location map, is included in the EDR Report in **Appendix C**.

The database files were reviewed regarding state solid waste facilities/landfill Sites (SWF/LS) and state hazardous waste Sites (SHWS). The Marathon Ashland Petroleum Speedway is listed in the SHWS database (Facility id 0000101), with a score of 21.04. The contaminant type is documented as petroleum and volatile organic hydrocarbons (VOCs), and the media affected are soil and groundwater. The Speedway terminal site is a petroleum bulk storage and pipeline terminal operated by Marathon Ashland Petroleum. During an onsite soil and groundwater investigation, petroleum free product was found to

be impacting the groundwater. Multiple subsurface investigations were conducted to determine the extent of free product as well as adsorbed and dissolved phase organic compounds. The contaminants of concern were determined to be migrating offsite, and multiple recovery wells were placed to treat the groundwater and collect free product. A soil vapor extraction system is being used to remove volatile organic compounds from the soil and groundwater. Significant reductions in free product thickness are currently being found. The soil vapor extraction system has adequately treated the volatile organic compounds to below cleanup goals. The site currently remains in the operation and maintenance stage. Investigations are ongoing to determine locations of source areas and mitigate these sources. IDEM is negotiating additional investigation needs with Marathon.

The SPILLS database, which tracks reported spill incidents, is maintained by IDEM. The records search indicate a domestic sewage spill (three gallons) on the 3800 West Michigan Street property on 1/22/2002, and the water body affected was Little Eagle Creek. The EPA id number for the site is S105274365.

The EDR proprietary historical database lists eleven gas station/dry cleaner sites within 0.25 miles from the site (**Appendix C**: page 19).

Also, Allison Engine Co. has been listed in the Brownfield's database as a VCP (Voluntary Cleanup Program) site (VRP id 6991004).

NOTE: Any records obtained from a non-governmental source should have been updated within 90 days of the date the government agency last made the information publicly available. Information is presented in the manner, grammatical style and spelling archived in the records as the commercial database provider presented them.

4.3 INFORMATION FROM INTERVIEWS

4.3.1 Interview with Site Representative

Ms. Camille Pierce, community manager with AIMCO, Ms. Jennifer Novak, Manager at the Village Pantry (3801 W. Michigan Street), Ms. Edel Mira, Zacatecas (3819 W. Michigan Street), and Ms. Margarita Wilson, Manager at the Michigan Plaza Family Laundry (3823 W. Michigan Street) were interviewed with regards to the current and historical operations of the facility and possible past or present use of potentially hazardous materials at the Site. None of the interviewees were aware of any environmental permits, regulations or Notices of Violation (NOVs) associated with the Site. In addition, they were unaware of the presence of any underground storage tanks or other environmental conditions associated with the Site. No solvent usage is currently taking place at the Family Laundry. The AIMCO personnel were aware of the ongoing soil and groundwater environmental investigations at the site of the former General Motors Corporation Allison Gas Turbine Division Plant 10 facility north of the Site, and the concerns regarding the presence of contaminated groundwater beneath the complex

potentially causing impacts to the indoor air quality within the tenant units of the plaza (for further details, see Section 3.2).

4.3.2 Interview with Local Government Officials

Mr. Adam Rickert, of the Marion County Health Department (MCHD) Bureau of Environmental Health, was contacted on November 04, 2003 to determine if any records or incident reports were available for the Site at the MCHD.

The records demonstrate the following incident reports:

A number of incident reports and violations related to compliance issues were noted on the dry cleaner inspection checklists, with respect to the former Accent Dry Cleaners located at 3819 W. Michigan Street, (perchloroethylene (PCE)). No record of any solvent releases was noted in these documents. The reports are attached in **Appendix D**.

The records and the correspondence with respect to the Former Allison Engine Company, Plant 10 are also attached in **Appendix D**.

Following records were demonstrated for the Michigan Meadows Apartment complex to the north of the Site:

- 1) Complainant concerned about spraying (pesticides) for weeds near her apartment.
- 2) A letter to a resident from the MCHD regarding the improper disposal of dialysis bags.
- 3) An odor/sickness complaint (June 1996), which was corrected by the MCHD.
- 4) Sewage overflow incident from a manhole into the Little Eagle Creek, on January 22, 2002. A review of the incident indicates that it refers to an overflow that occurred at a mobile home park rather than the Michigan Meadows Apartments.

The MCHD records and/or incident reports identified for the Site, and some of the adjacent properties are attached in **Appendix D**.

4.4 SUMMARY OF RECORDS REVIEW

The federal database review identified the facility in the RCRIS-SQG and FINDS (Facility Index System - Federal ASTM supplemental) databases. The site was not listed in any of the reviewed state databases.

One CORRACTS site, two RCRIS Sm. Quan. Gen. sites, one RCRIS LQG site, one State Haz. Waste site, three LUST sites, and one VCP site were identified within the ASTM specified search radii.

In conclusion, the records reviewed indicate that the Site has a few reported environmental concerns:

1. Due to the past use of solvents (for example, perchloroethene) at the former **Accent dry cleaners** on the Site (3819 W. Michigan Street), this former operation pose a potential concern for the Site.
2. There are violations and enforcement actions (RCRIS) documented for **GMC Allison Transmission Plants 3 & 12/1**, which exists upgradient of the site. Hence further investigation is needed with respect to the facility.
3. The for **GM AGT Plant 10 (also noted as the former Allison Plant 10 in the databases)** located north of the Site has been classified as small quantity generator (RCRIS). Though no violations or TSDF activities are documented, because of its proximity and the type of business operations that have historically taken place, the site is a potential concern. Therefore, further investigation is indicated.
4. The **Speedway/SM #6122** facility has four in-use USTs. Since the site is upgradient of the Site, further investigation might be necessary.
5. **Marathon Ashland Petroleum Speedway** documented in the SHWS database may pose a potential concern with the petroleum products migrating offsite.

Therefore, based on the proximity of other sites with environmental concerns, and past operations of a dry cleaners on site, the potential exists for environmental impairment to the Site's groundwater system, and further investigation is warranted.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

This Phase I Environmental Site Assessment included a reconnaissance visit to the Site, a review of the previously listed available environmental database and related agency information for the Site and surrounding properties, interviews, prior ownership records, aerial photographs, published geologic information, and other related items. This information was used to evaluate existing or potential environmental impairment of the Site due to current or past land use disclosed by this study.

The findings of this assessment did disclose some potential environmental concerns at the Site, and there appears to be a potential for environmental impairment from current or past land usage or from surrounding properties.

1. Onsite (former) Dry Cleaners (Chlorinated Solvents, PCE)

The historical existence of dry cleaners onsite (Accent Dry Cleaners: 3819 W. Michigan Street - Michigan Plaza) poses a potential concern for the Site. It is possible that residual hazardous substances (e.g. perchloroethene) from the previous dry cleaning operations have contaminated the site. The former dry cleaning activities represent a potential environmental concern to the Site.

2. Adjacent RCRA, Known Groundwater Impacts

The former General Motors Corporation Allison Gas Turbine Division Plant 10 facility located north of the Site have been classified as small quantity generators (RCRIS). Though no violations or TSDF activities are documented, known impacts from this facility to the underlying groundwater system at the Michigan Plaza is present. Therefore, these known groundwater impacts warrant continuing monitoring and further investigation.

3. Adjacent RCRA, Miscellaneous violations

There are violations and enforcement actions (RCRIS) documented for the General Motors Corporation Allison Transmission Plants 3 & 12/1, which exists upgradient of the site. Hence, it is a potential area of concern.

4. Vicinity Petroleum Releases (LUSTs / USTs)

The Speedway/SM #6122 facility has four in-use USTs. It is possible that impacts have reached the Site via subsurface flow. Therefore, these tanks represent a potential environmental concern to the Site.

5. *Adjacent Hazardous Waste Facility*

Marathon Ashland Petroleum Speedway documented in the SHWS database may pose a potential concern with the petroleum products migrating offsite.

6. *Asbestos-Containing Materials (ACMs)*

ACM is suspected in the form of roofing materials, floor tiles, sheet vinyl flooring, ceiling tile and drywall. A complete ACMs assessment, including sampling and analysis of suspect materials, was conducted for the property. Laboratory analytical results indicated asbestos was detected in floor tile and associated mastic. As such, this material represents a potential environmental concern if not properly managed during demolition or renovation.

7. *Transformers*

Two (2) overhead pole mounted transformers were observed throughout the Site. At the time of this evaluation, evidence of damage or past or present leakage or spills was not apparent. Blue decals, which indicate the transformer does not contain PCBs, were observed on the transformers. Therefore, there is a likely probability of no PCB content in the transformer. However, actual testing must be conducted to confirm the lack of PCB content.

5.2 RECOMMENDATIONS

Based on the above findings and conclusions, MUNDELL recommends the following steps to further evaluate the identified potential environmental concerns. Assistance with developing detailed programs for such additional studies can be provided on request.

1. Additional soil and groundwater sampling within the Site and downgradient to monitoring ongoing impacts from the former GM AGT Plant 10 facility and better determine the horizontal and vertical chlorinated organic impacts to the groundwater system.
2. Installation of additional soil borings and groundwater sampling on the Site in the vicinity of the former dry cleaners to determine potential impacts from the former operations.
3. Development and implementation of a formal asbestos management program for the Site.
4. Monitoring of the two (2) transformers as part of the routine property maintenance activities. Immediate reporting and testing of any leaking

transformers to determine the presence of PCBs, is recommended. If present, it is recommended that the fluids be changed to a non-PCB containing type.

6.0 LIMITATIONS

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, Site observations, field exploration, and laboratory test data presented in this report.

It should be noted that environmental evaluations are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and Site evaluation. For these types of evaluations, it is often necessary to use information prepared by others and MUNDELL cannot be responsible for the accuracy of such information. Additionally, the passage of time may result in a change in the environmental characteristics at this Site and surrounding properties. This report does not warrant against future operations or conditions, nor does this warrant operations or conditions present of a type or at a location not investigated. This report is not a regulatory compliance audit and is not intended to satisfy the requirements of any state, federal, or local real estate transfer laws.

This report is intended for the sole use of Bose McKinney & Evans LLP. This report may not be used or relied upon by any other party without the written consent of MUNDELL. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

Our conclusions regarding the potential environmental impact of nearby, off-site facilities on the Site are based on readily available information from the environmental databases and the assumed groundwater flow direction. A detailed file review of each facility was beyond the scope of work.

MUNDELL reviewed past ownership of the project Site in an attempt to determine past Site usage. MUNDELL is not a professional title insurance firm and makes no guarantee, explicit or implied, that the listing reviewed represented a comprehensive delineation of past Site ownership or tenancy for legal purposes.

MUNDELL does not warrant the correctness, completeness, currentness, merchantability, or fitness of any information related to records review provided in this report. Such information is not the product of an independent review conducted by MUNDELL, but is

only publicly available environmental information maintained by federal, state, and local government agencies.

7.0 PROFESSIONAL CREDENTIALS

A qualifications statement of the environmental professionals responsible for this Phase I Environmental Site Assessment and preparation of the report has been delivered to Bose McKinney & Evans, under separate cover. This statement includes relevant individual and corporate qualifications.

8.0 REFERENCES

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Soil Gas Data AGT Site, Engineering-Science, Inc., June 1993.

Phase II Information Review Report for General Motors Corporation Allison Gas Turbine Plant 10, Engineering-Science, Inc., November 19, 1993.

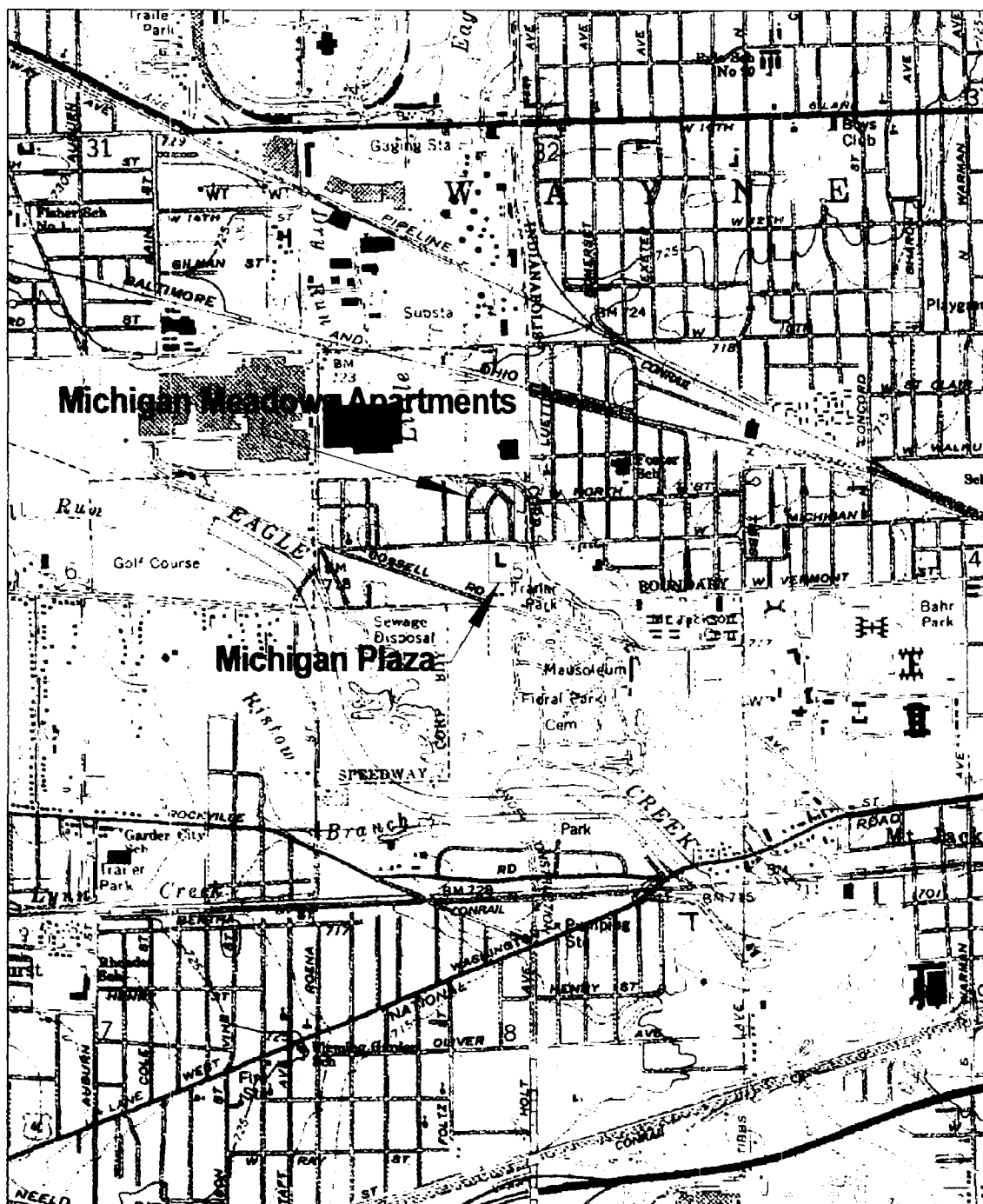
Geophysical Survey for Buried Materials at the Allison Engine Company Plant 10 Site, Geosphere, Inc., September 2000.

Feasibility Study Report, General Motors-Allison Gas Turbine Plant 10, Fluor Daniel GTI, June 3, 1997 (DRAFT).

Remedial Investigation Report, General Motors-Allison Gas Turbine Plant 10, Fluor Daniel GTI, September 19, 1997 (DRAFT).

FIGURES

FIGURES



Source: Indianapolis, Indiana Quadrangle
USGS 7.5 Minute Series (Topographic)
July 1, 1984

0 0.5 1.0
Scale in Miles



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Consulting Professionals for the Earth & Environment

429 East Vermont Street, Suite 200
Indianapolis, Indiana 46202-3688
317-630-9060, fax 317-630-9065

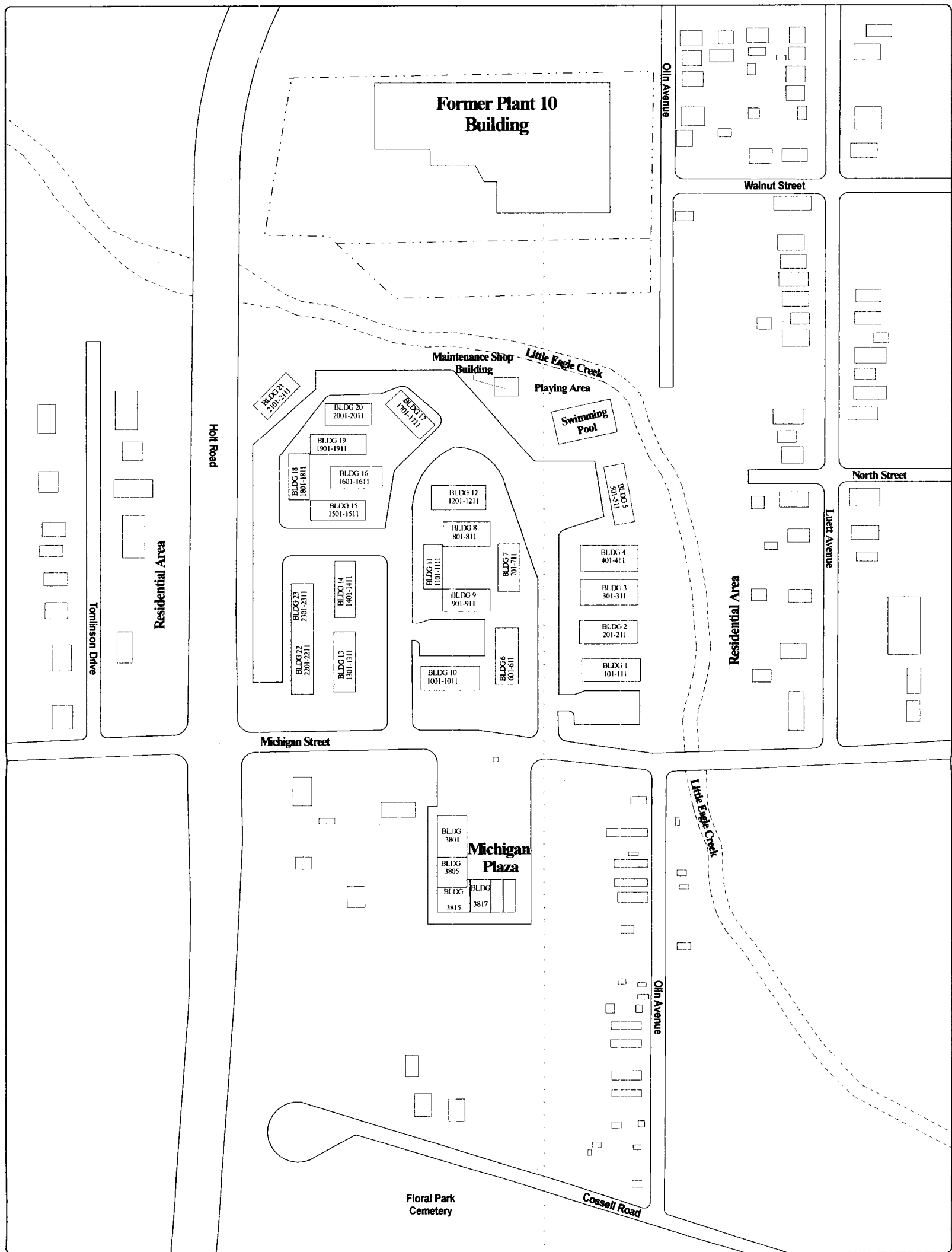
Project Number:
M01046
Drawing File:
Site ... 2000ft scale
Date Prepared:
11/14/03
Scale:
1"=2000 ft

SITE VICINITY MAP

Michigan Meadows Apartments
Phase I Site Investigation
3800-3823 W. Michigan Street
Indianapolis, Indiana

FIGURE

1



LEGEND

- Fence
- High Capacity Power Line



SCALE
0 200
feet

12/29/2003 2:33 PM

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Project Number:
M01046
Drawing File:
Base Map.SKF
Date Prepared:
11/17/03
Scale:
1"=200' ±

SITE PLAN
PHASE I SITE INVESTIGATION
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

FIGURE

2

Michigan Meadows Apartments



Scale: 1 inch = 60 feet

LEGEND

- Fence
- High Capacity Power Line
- High Capacity Power Line

MICHIGAN STREET

Little Eagle Creek

Residential Area

Michigan Plaza

Village
Pantry
(3801)

Former Marion
County Public
Library
(3805)

Former Handicap
Workshop
(3815)

Former Office
Space
(3817)

Zachry
(3817)

Michigan Plaza
Laundry
(3817)

Residential Area

Residential Area

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REV.	DATE	DESCRIPTION	BY	APPR.	PROJECT NO.: DRAWING:	M01046 1"=60'	FILE NO.: PLOT SIZE:	Fig2a.SKF B
					MODIFIED BY:	JALL	DATE:	11/21/03
					CHECKED BY:	JAB	DATE:	11/21/03
					APPROVED BY:	JAB	DATE:	11/21/03
								Printed 12/28/2003 2:33 PM

SITE PLAN-MICHIGAN PLAZA
Phase I Site Inventory
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana

2A

FIGURE

Date EDR Searched Historical Sources:

Aerial Photography October 30, 2003

Target Property:

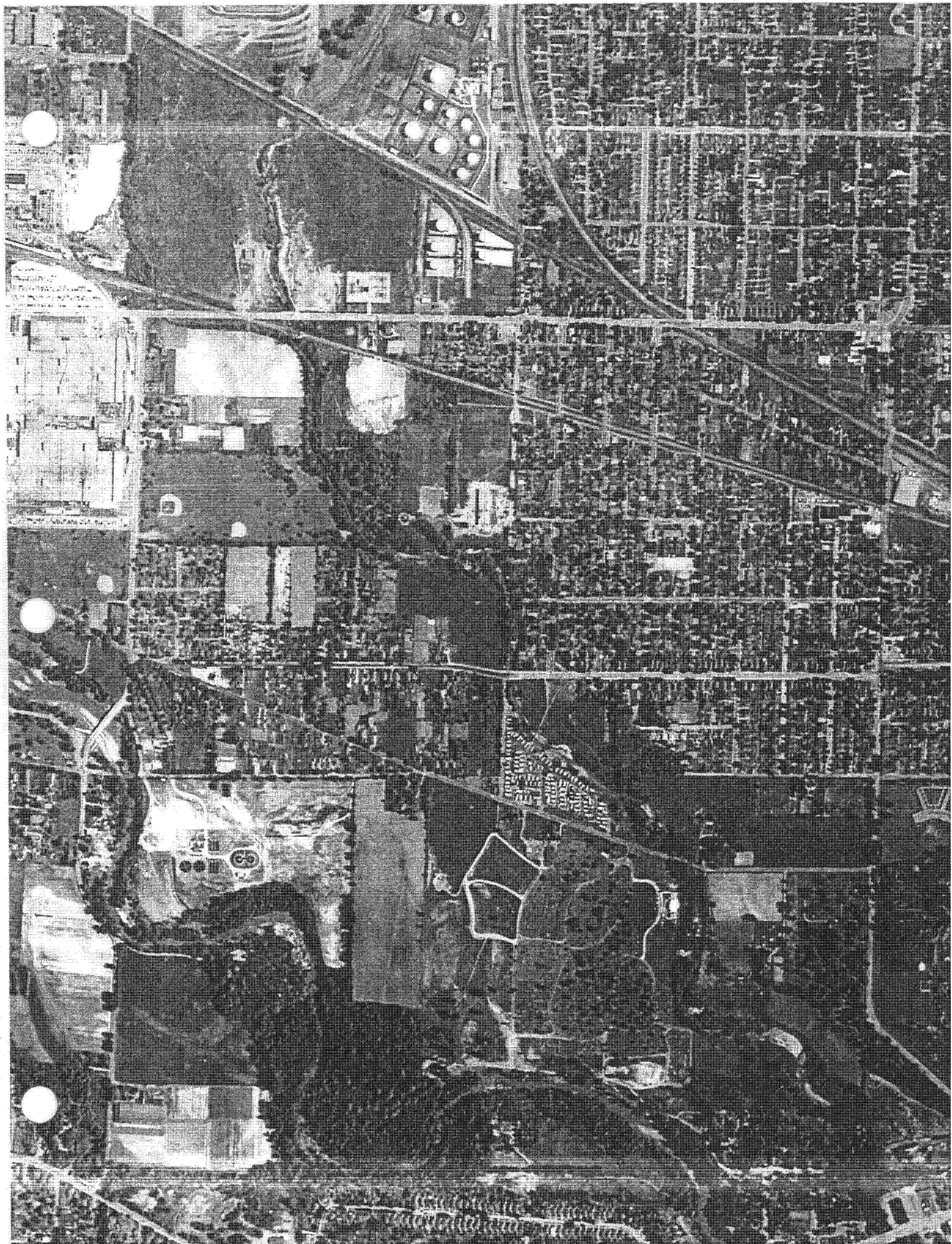
3800/3801-3823 W Michigan St

Indianapolis, IN 46249

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<u>Year</u>	<u>Uses</u>	<u>(FIM Information Only)</u>		
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² 1966	Aerial Photograph. Scale: 1"=750'	Panel #: 2439086-G2/FlightDate: March 2, 1966		nar
³ 1971	Aerial Photograph. Scale: 1"=750'	Panel #: 2439086-G2/FlightDate: August 12, 1971		nar
⁴ 1987	Aerial Photograph. Scale: 1"=833'	Panel #: 2439086-G2/FlightDate: August 19, 1987		nar
⁵ 1992	Aerial Photograph. Scale: 1"=833'	Panel #: 2439086-G2/FlightDate: March 1, 1992		nar

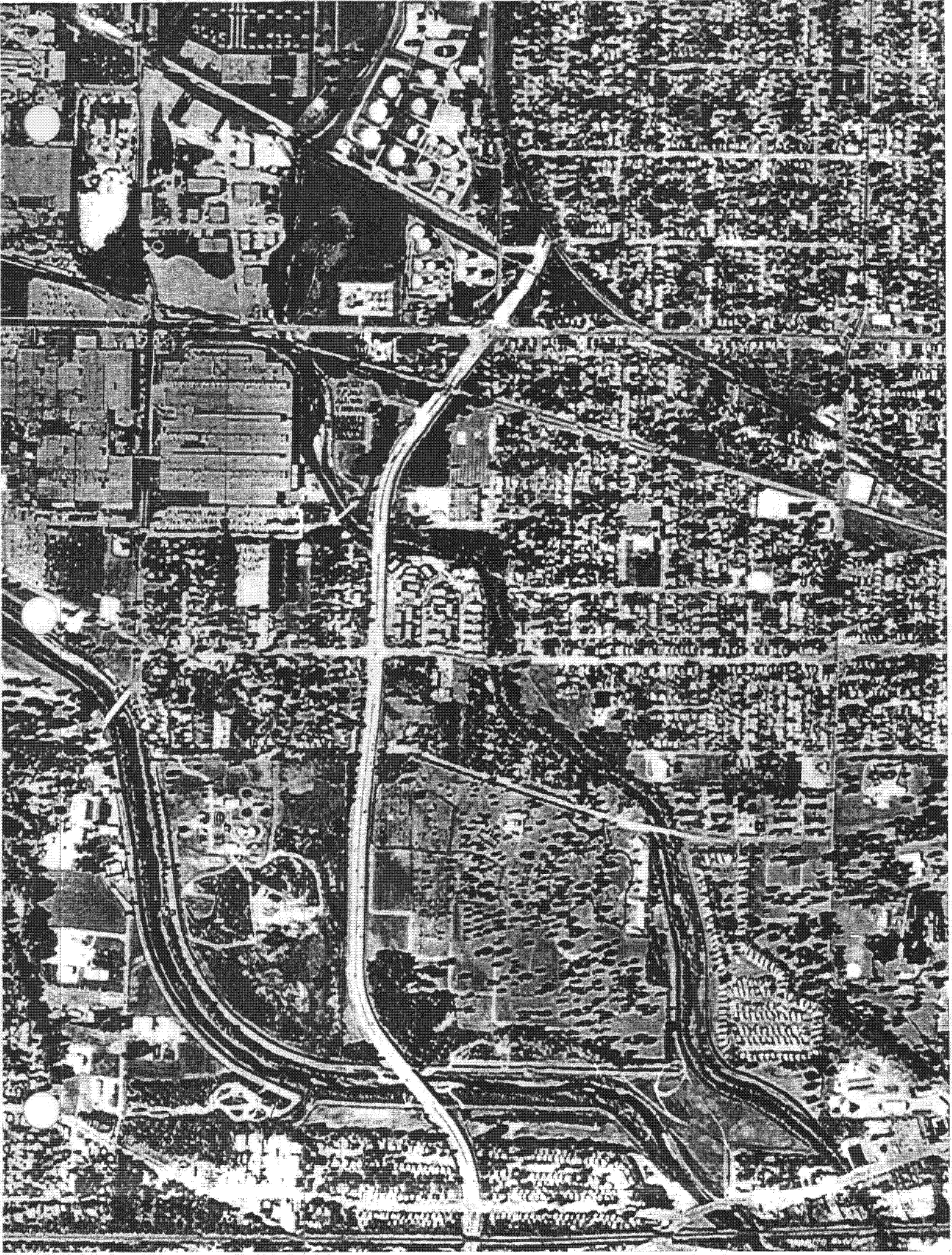
1073238.6

2











APPENDIX A

Site Visit Photographic Log

APPENDIX A

Site Visit Photographic Log



Photo No. 1: Michigan Plaza



Photo 2: Michigan Plaza



Photo 3: Village Pantry (3801 W. Michigan Street)



Photo 4: Marion County Public Library (Moved)



Photo 5: Marion County Public Library



Photo 6: Previous National Handicap Workshop— vacant space (3815 W. Michigan Street)



Photo 7: Vacant Office Space just west of the Mexican Grocery Store



Photo 8: Mexican grocery store (3819 W. Michigan Street)



Photo 9: Michigan Plaza Family Laundry (3823 W. Michigan Street)



Photo 10: Michigan Apartments (Property North of the Site)



Photo 11: Bus stop just North of the plaza



Photo 12: Adjacent property to the east/southeast side

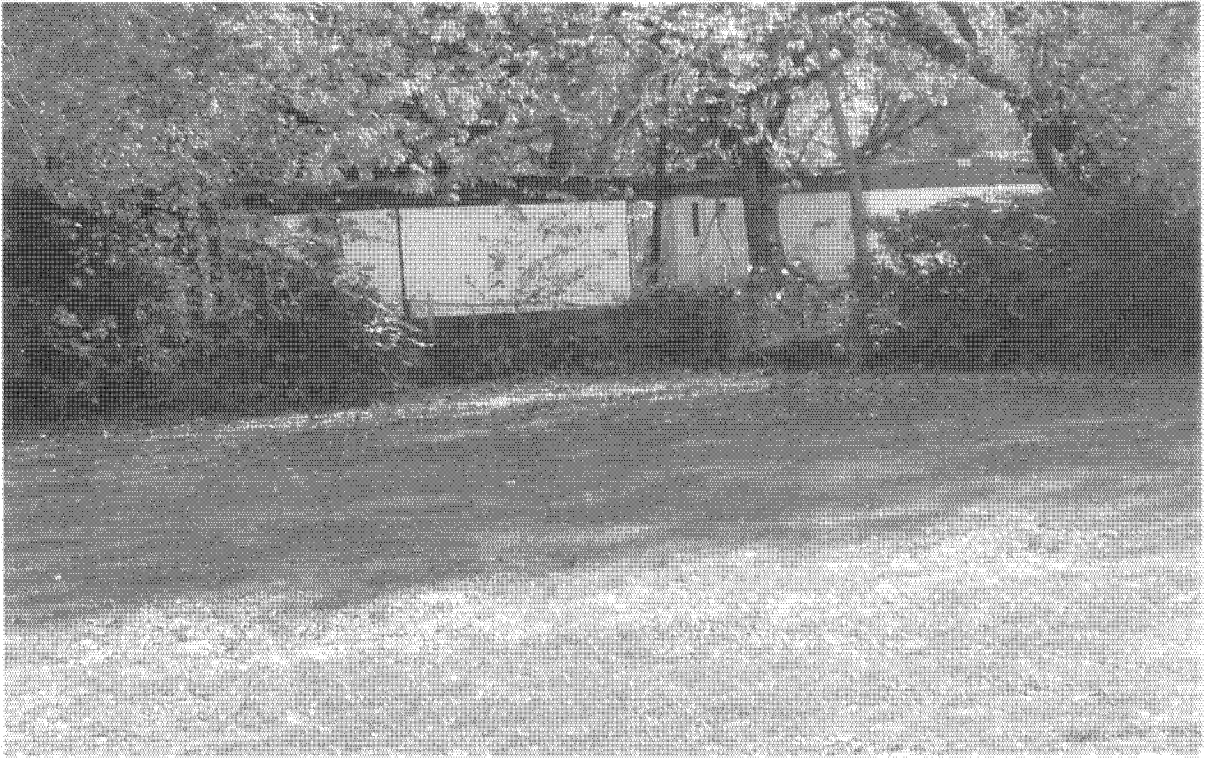


Photo 13: Adjacent property to the east/southeast side



Photo 14: Adjacent property to the south of the Site

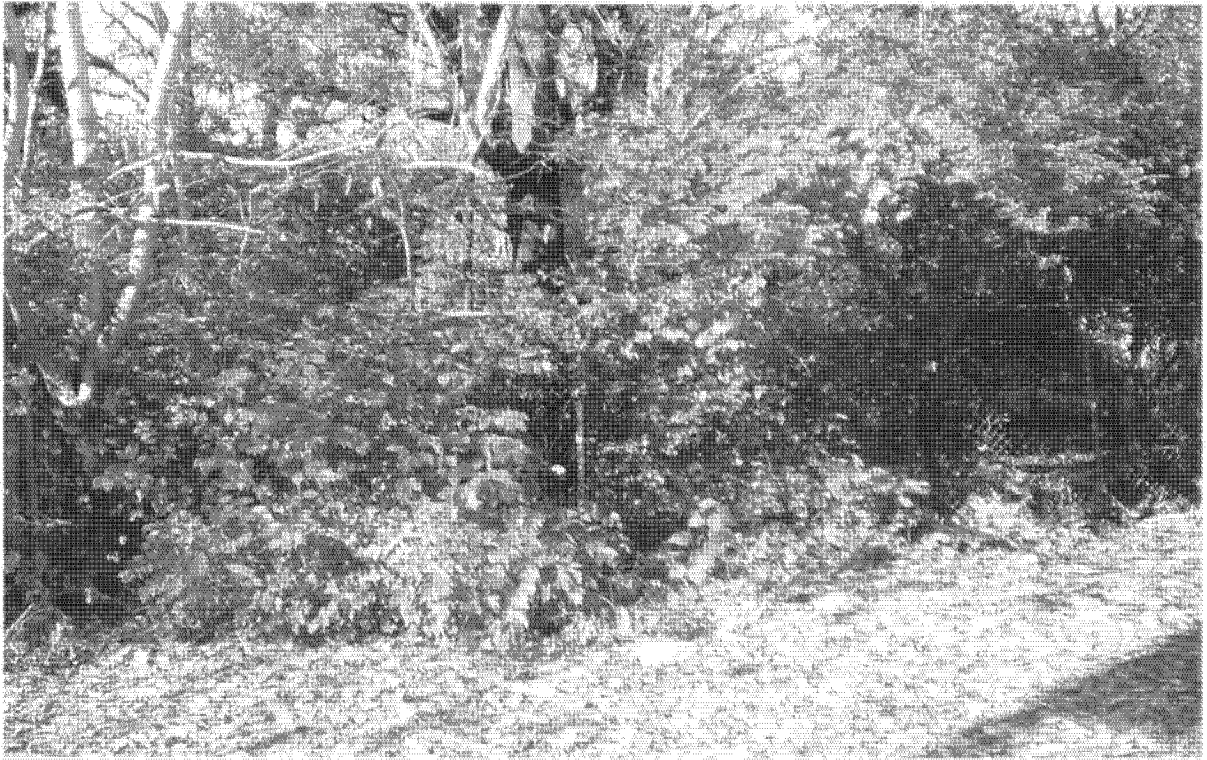


Photo 15: Adjacent property to the west of the Site

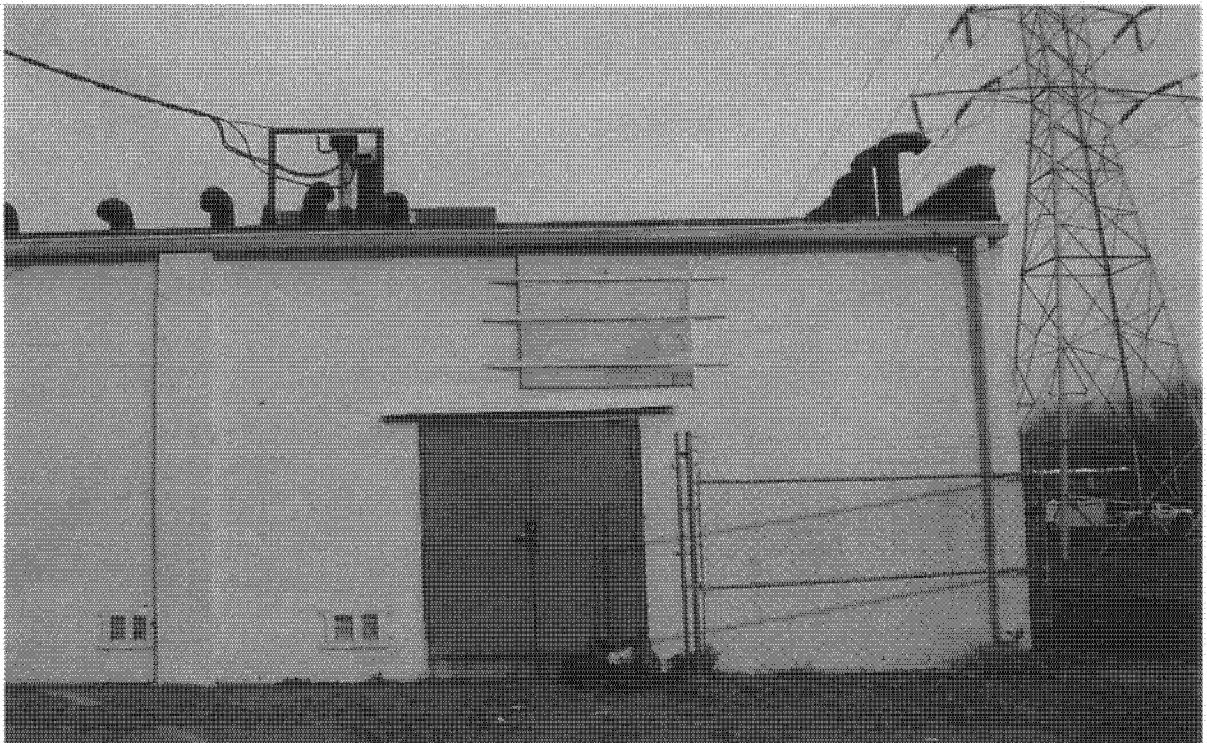


Photo 16: Backside of the laundry (3823 W. Michigan Street), and the High Capacity Power Line

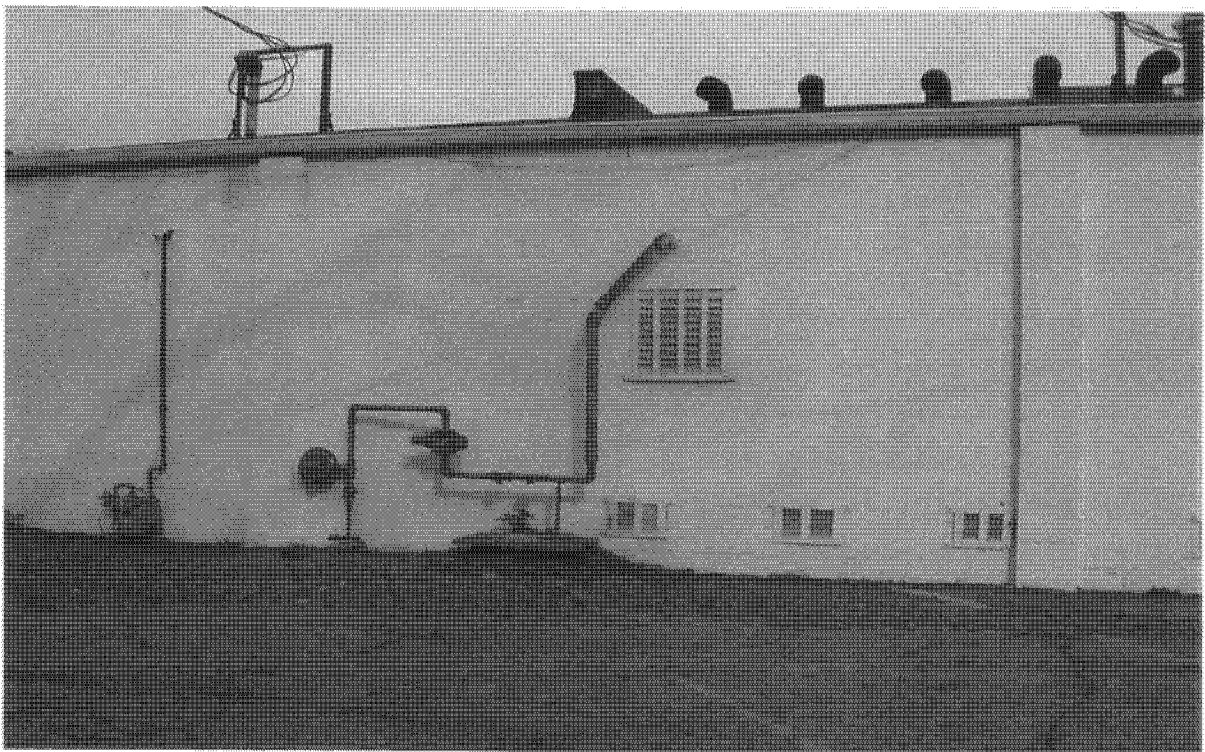


Photo 17: Backside of the Plaza – Gas Line on a mound of asphalt

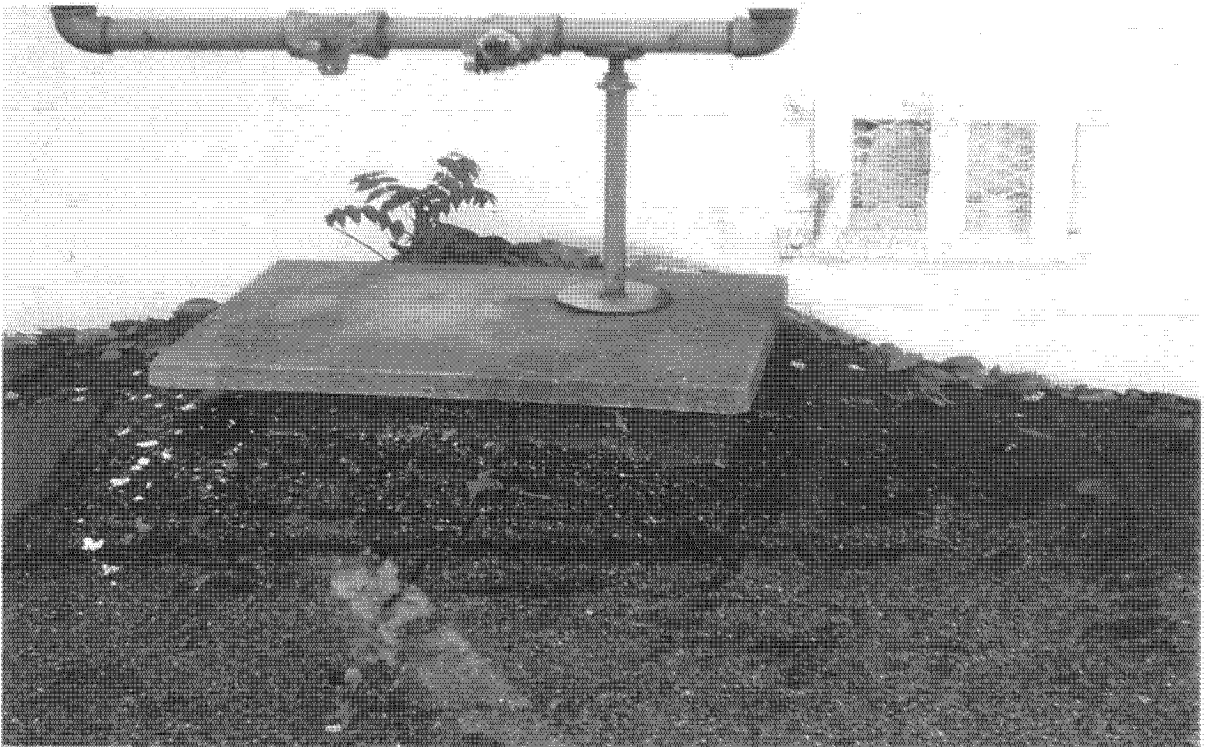


Photo 18: Gas Line and Asphalt Mound

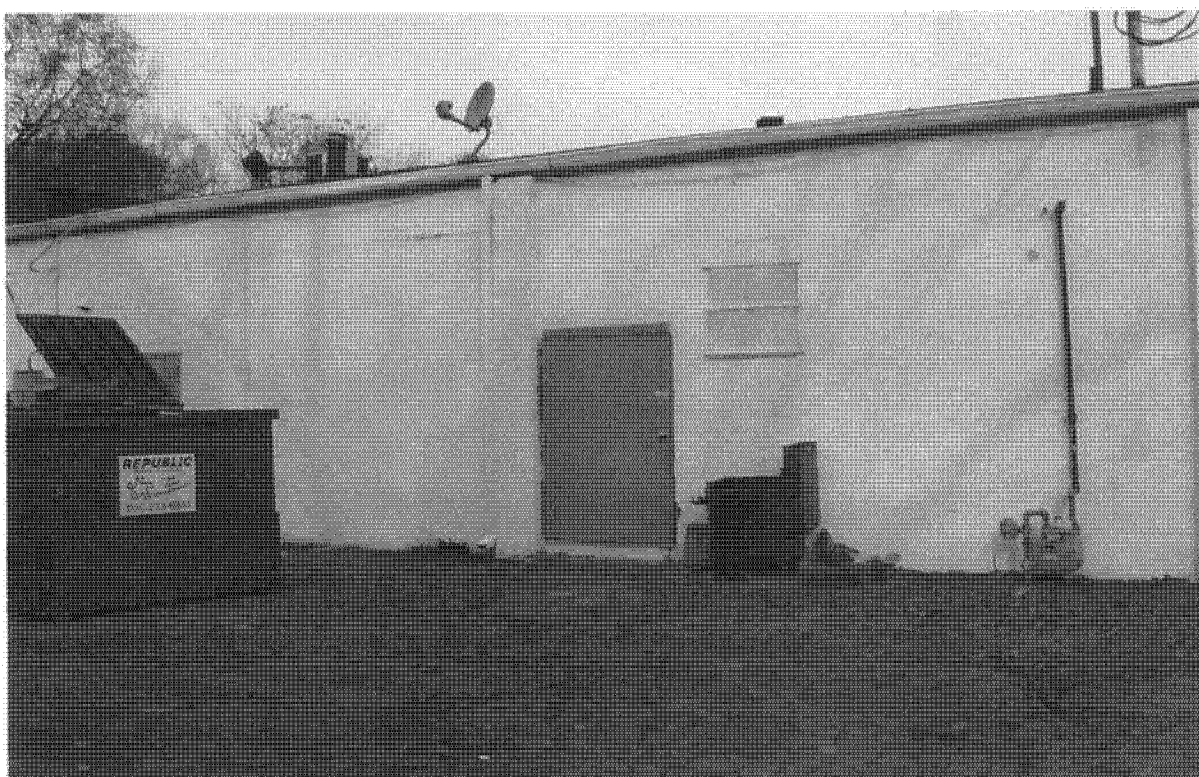


Photo 19: Backside of 3819 W. Michigan Street (dumpster, old cooker, gas line)



Photo 20: Asphalt Patch, Gas Line and Sewer Cleanout

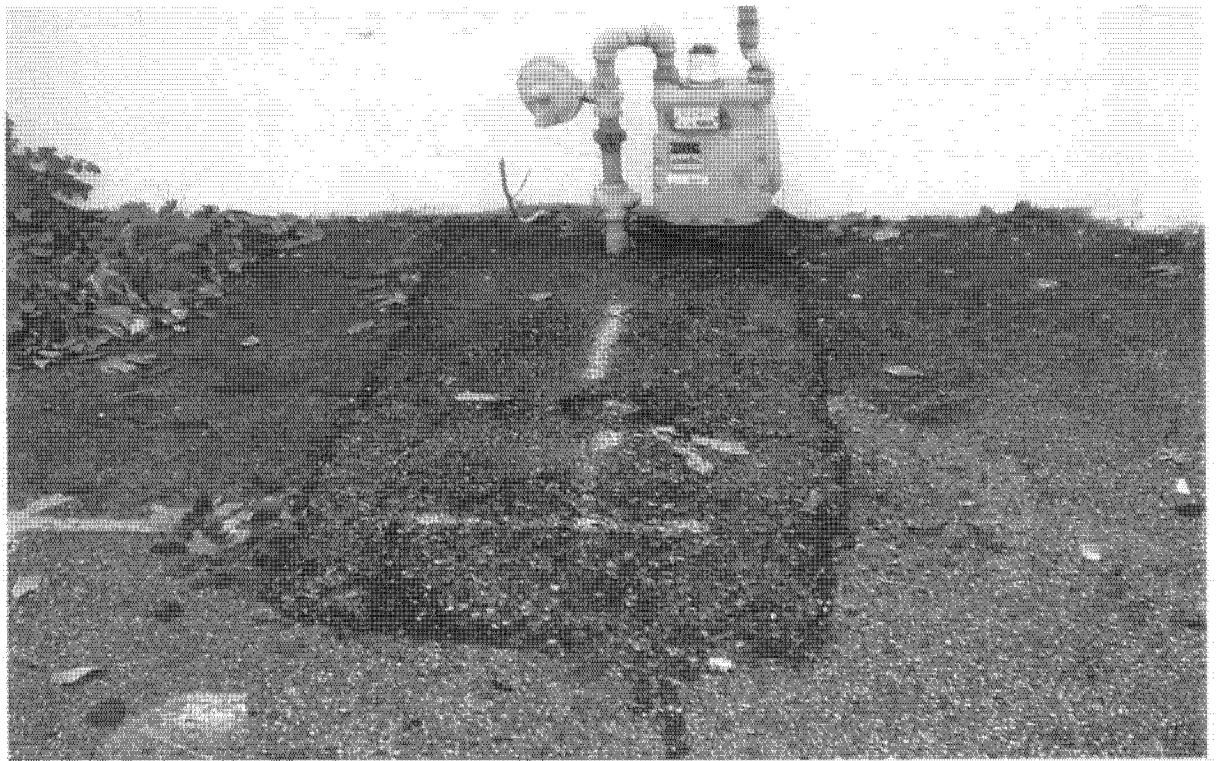


Photo 21: Asphalt Patch # 2



Photo 22: Old Cooker on the Southside of the plaza

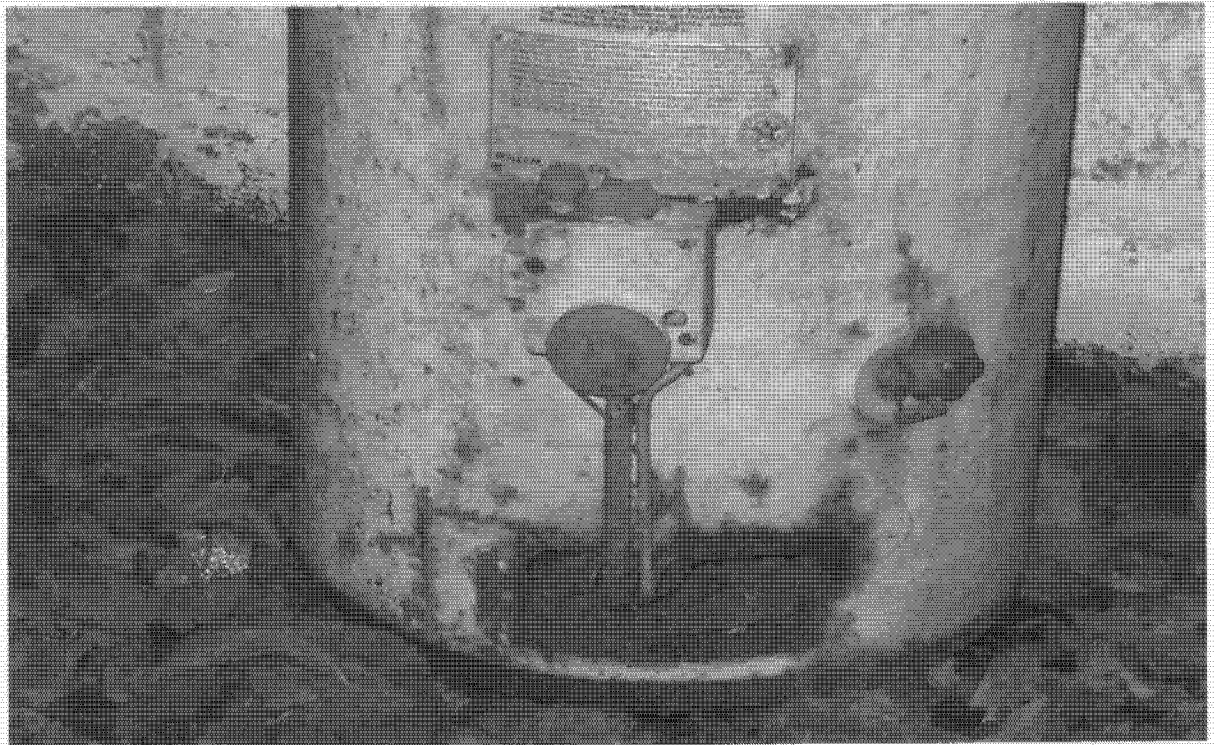


Photo 23: Old Water Heater on the West side of the Plaza



Photo24: Sewer cleanout on the West side of the Plaza



Photo 25: West wall of the Plaza



Photo 26: Top southwest corner of the Plaza

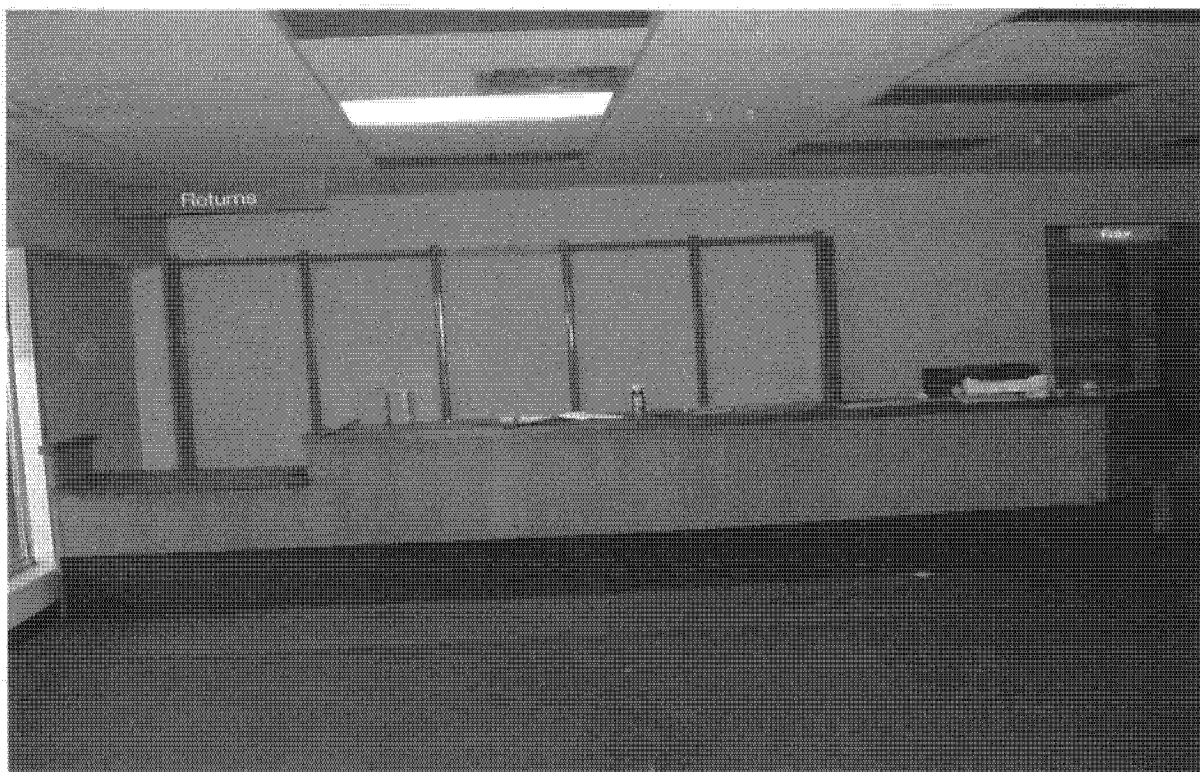


Photo 27: Former Marion County Public Library Interior

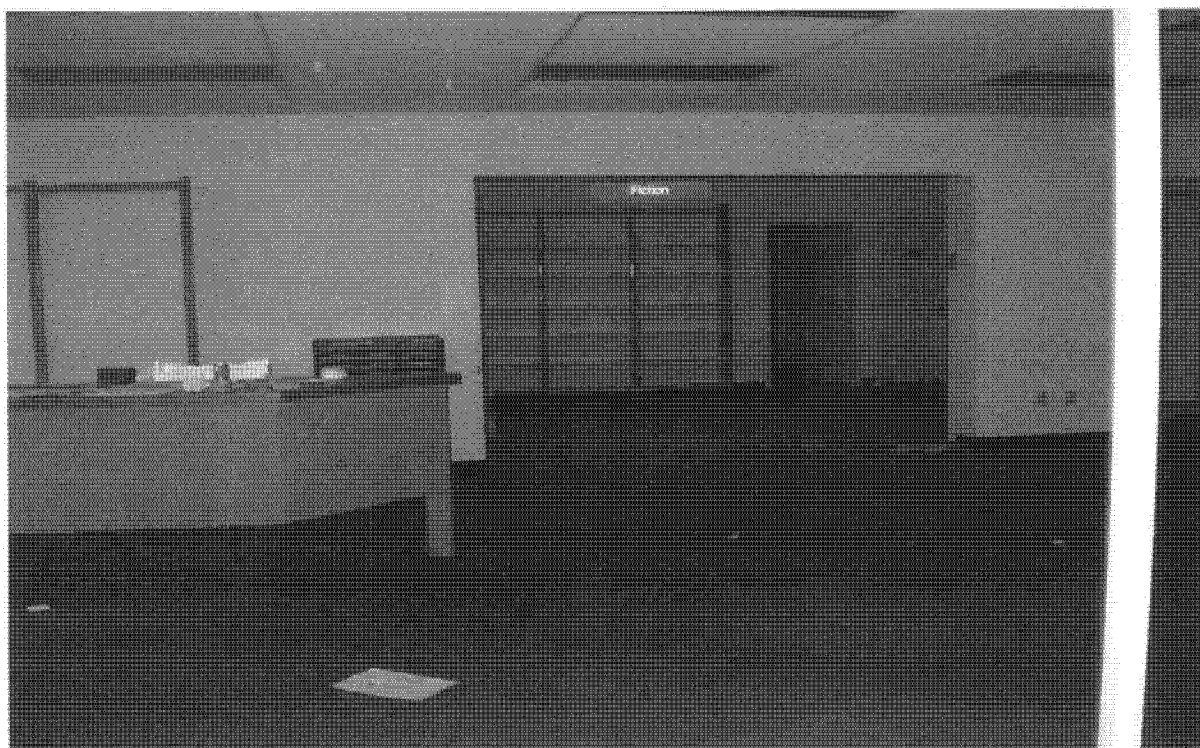


Photo 28: Former Marion County Public Library Interior



Photo 29: Library Interior, Shelves



Photo 30: Handicap Workshop Interior



Photo 31: Handicap Workshop Boiler Room



Photo 32: Office space (just east of Handicap Workshop)

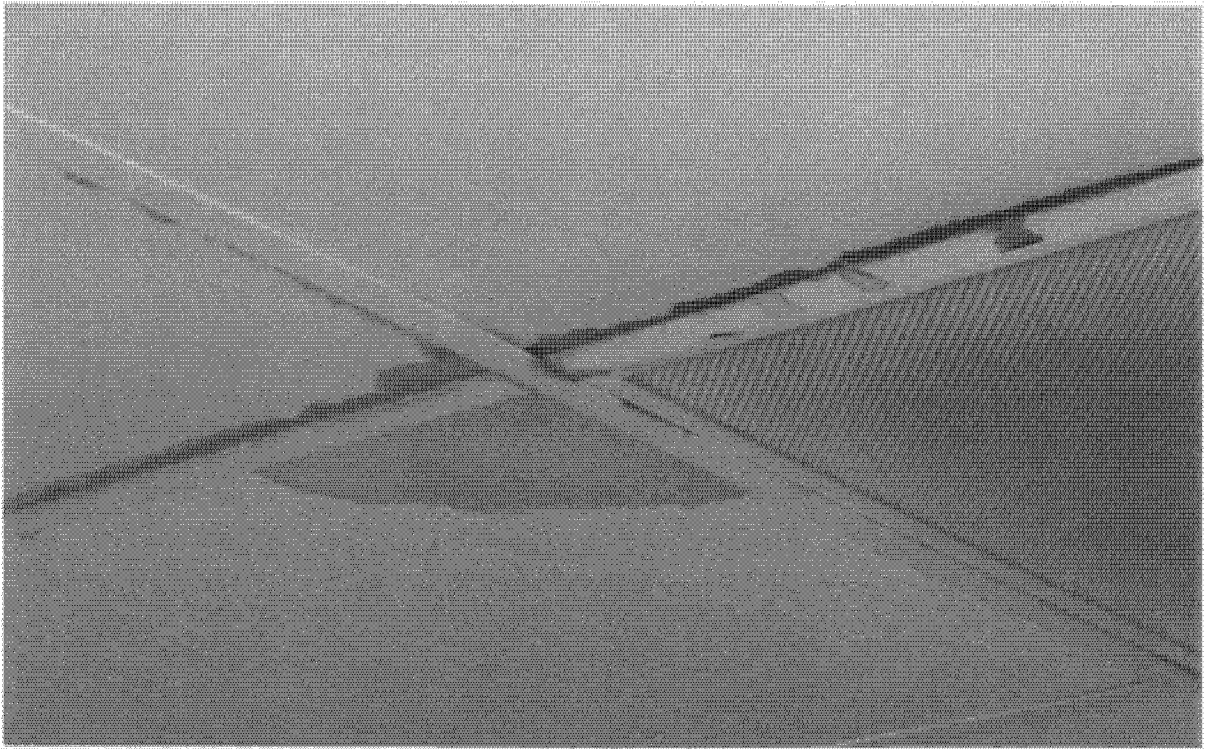


Photo 33: Office Space Ceiling Tiles



Photo 34: Office Space Ceiling



Photo 35: Zacatecus, the Mexican Grocery Store



Photo 36: Michigan Plaza Family Laundry Interior



Photo 37: Michigan Plaza Family Laundry Interior

APPENDIX B

Historical Records

- **Sanborn Maps**
- **City Directories**
- **CEM Past Property
Ownership/Use**
- **Selected Historical Aerial Photographs
(Indygov.org)**

"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Leena Lothe

Mundell & Associates, Inc

429 E Vermont

Indianapolis, IN 46202

Order Date: 10/29/2003

Completion Date: 10/29/2003 1:58

Inquiry #: 1073238.5S

P.O. #: na

Site Name: Michigan Plaza Shopping Center

Address: 3800/3801-3823 W Michigan St

City/State: Indianapolis, IN 46249

Customer Project: na

1012355ROG

317-630-9060

Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified

1915 - 1 - map

1950 - 1 - map

1956 - 1 - map

1963 - 1 - map

1965 - 1 - map

1967 - 1 - map

Total Maps: 6

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Ship to: Leena Lothe
Mundell & Associates, Inc
429 E Vermont
Indianapolis, IN 46202

Order Date: 10/29/2003 **Completion Date:** 10/29/2003 1:58

Inquiry #: 1073238.5S

P.O. #: na

Site Name: Michigan Plaza Shopping Center

Address: 3800/3801-3823 W Michigan St

City/State: Indianapolis, IN 46249

Customer Project: na

1012355ROG

317-630-9060

Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified

1915 - 1 Map

1950 - 1 Map

1956 - 1 Map

1963 - 1 Map

1965 - 1 Map

1967 - 1 Map

Total Maps: 6

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Organization of Electronic Sanborn Image File

- First Page Sanborn Map Report, listing years of coverage
- Second Page Electronic Sanborn Map Images USER'S GUIDE
- Third Page Oldest Sanborn Map Image
- Last Page Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- Using Acrobat, zoom to 250% in order to view more clearly.
 - 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.
- Zooming in on an image:
 - On the menu bar, click "View" and then zoom.
 - Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File

- EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).
- To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

Acrobat Version 4

- Go to the Menu bar
- Press and hold the "T" button
- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.



Acrobat Version 5

- Go to the Menu Bar.
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.



Important Information about Email Delivery of Electronic Sanborn Map Images

- Images are grouped into one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.

Sanborn Maps

Project: Bass McKinney - Times

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Date: 3/7/06



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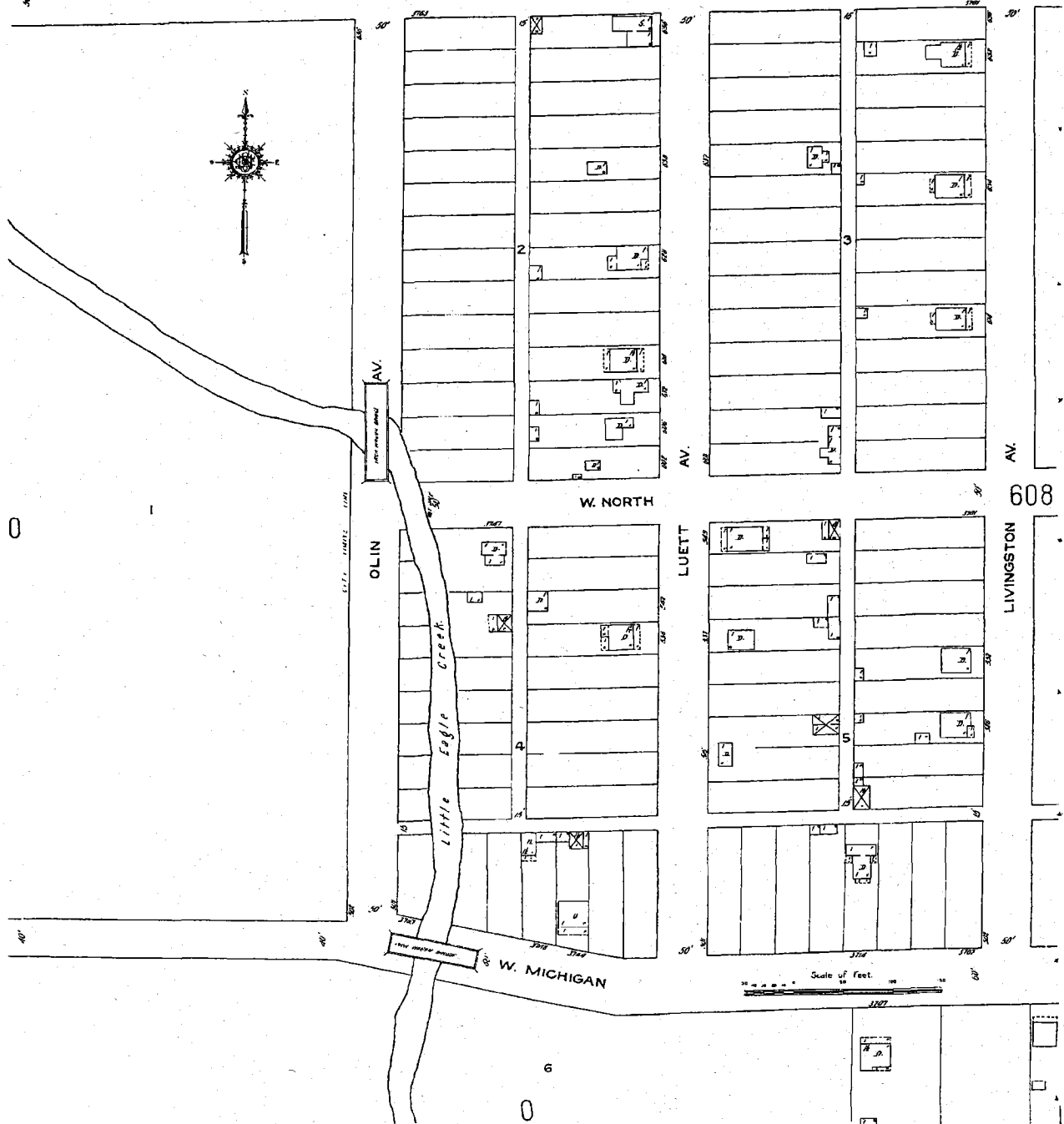
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INDUSTRIAL AND VUL. 5

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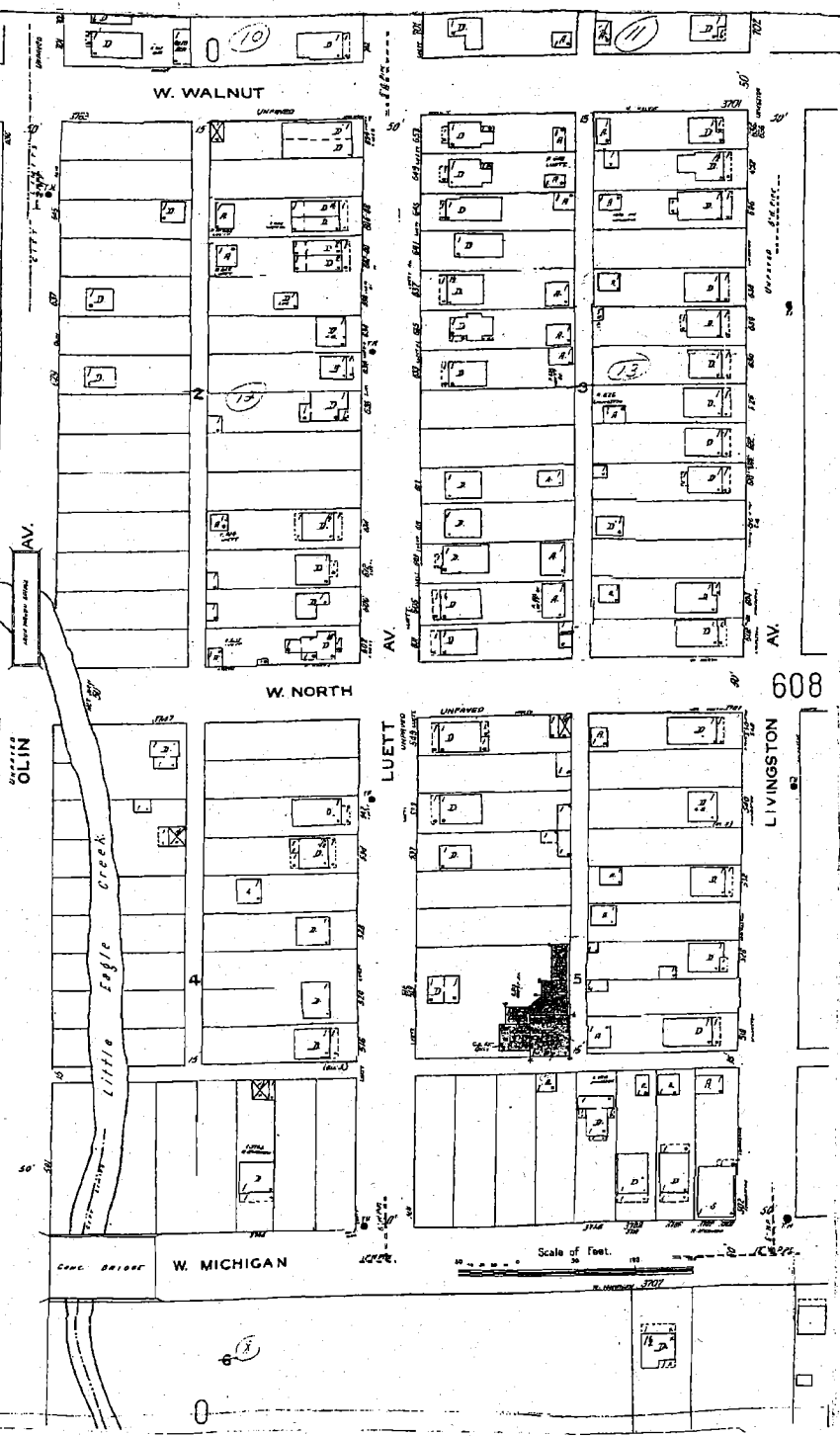
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WAYNE TWP

W. WALNUT

W. NORTH

W. MICHIGAN

608

LIVINGSTON



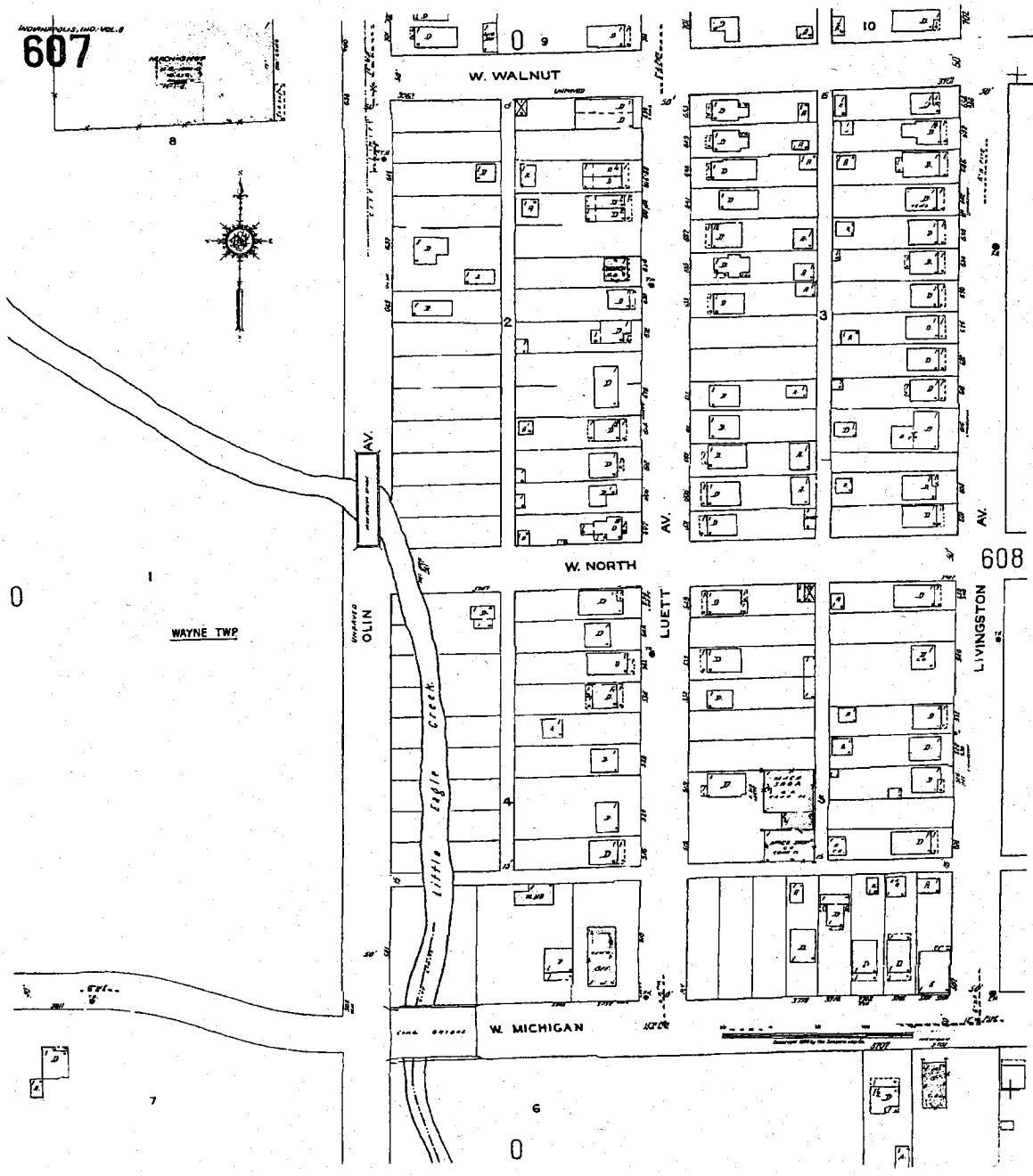
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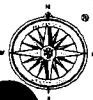
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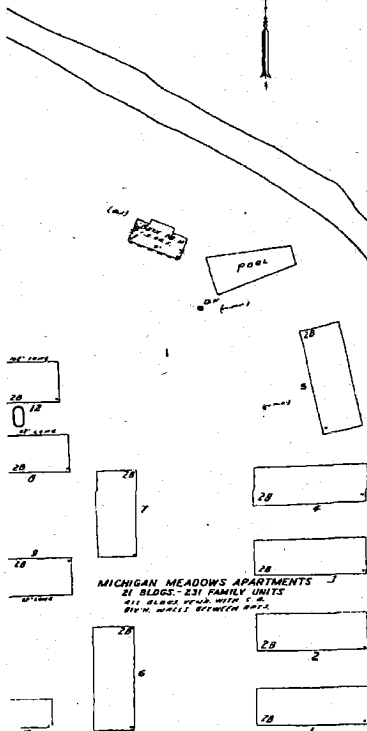
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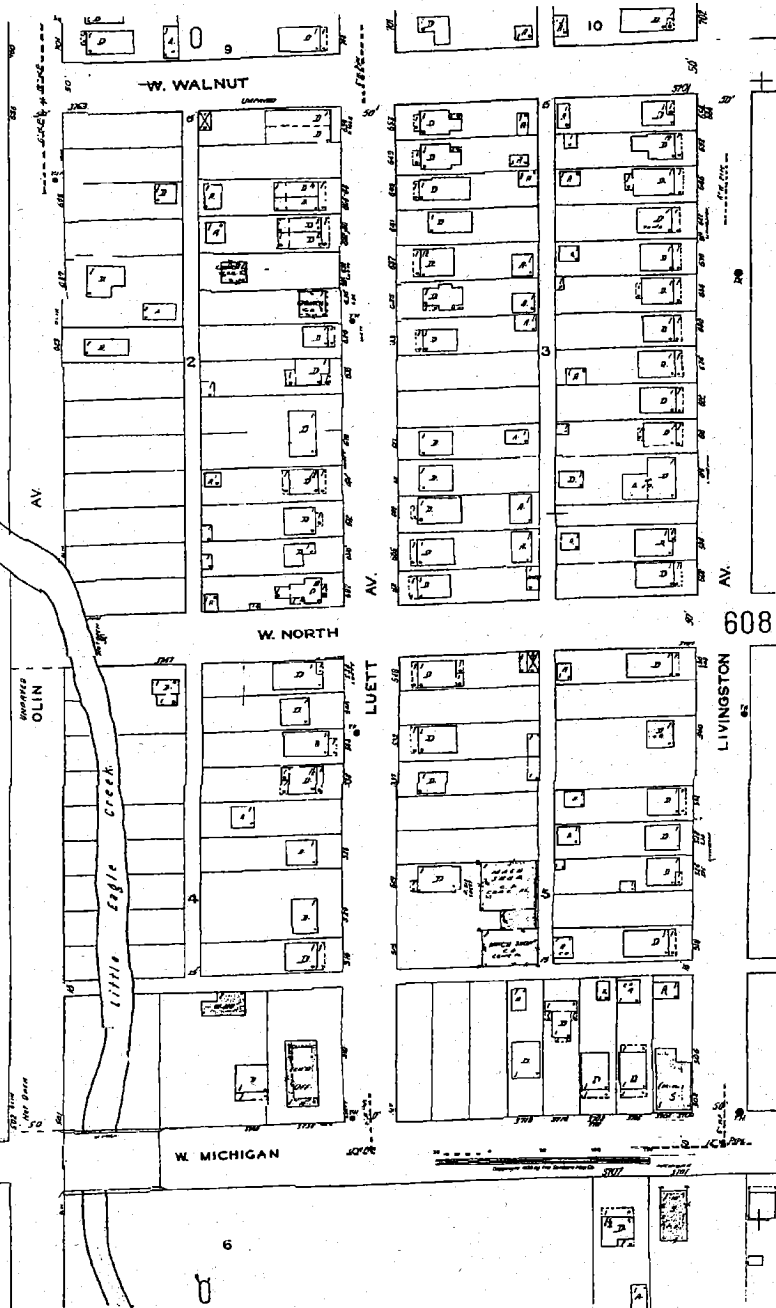
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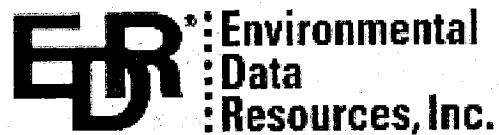
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MICHIGAN MEADOWS APARTMENTS
21 BLDGS - 231 FAMILY UNITS
ALL BLDGS FRUIT WITH C. H.
BET. W. MICHIGAN & W. WALNUT



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The EDR-City Directory
Abstract

**Michigan Plaza Shopping Center
3811 W Michigan St
Indianapolis, IN 46249**

October 29, 2003

Inquiry Number: 1073238-8

**The Source
For Environmental
Risk Management
Data**

**3530 Post Road
Southport, Connecticut 06490**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802**

Environmental Data Resources, Inc.

City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources*. *Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.4, page 12.)

EDR's City Directory Abstract includes a search and abstract of available city directory data.

City Directories

City directories have been published for cities and towns across the U.S. since the 1700s. Originally a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. Twentieth century directories are generally divided into three sections: a business index, a list of resident names and addresses, and a street index. With each address, the directory lists the name of the resident or, if a business is operated from this address, the name and type of business (if unclear from the name). While city directory coverage is comprehensive for major cities, it may be spotty for rural areas and small towns. ASTM E 1527-00 specifies that a *"review of city directories (standard historical sources) at less than approximately five year intervals is not required by this practice."* (ASTM E 1527-00, Section 7.3.4, page 12.)

NAICS (North American Industry Classification System) Codes

NAICS is a unique, all-new system for classifying business establishments. Adopted in 1997 to replace the prior Standard Industry Classification (SIC) system, it is the system used by the statistical agencies of the United States. It is the first economic classification system to be constructed based on a single economic concept. To learn more about the background, the development and difference between NAICS and SIC, visit the following Census website: <http://www.census.gov/epcd/www/naicsdev.htm>.

Please call EDR Nationwide Customer Service at
1-800-352-0050 (8am-8pm EST)
with questions or comments about your report.
Thank you for your business!

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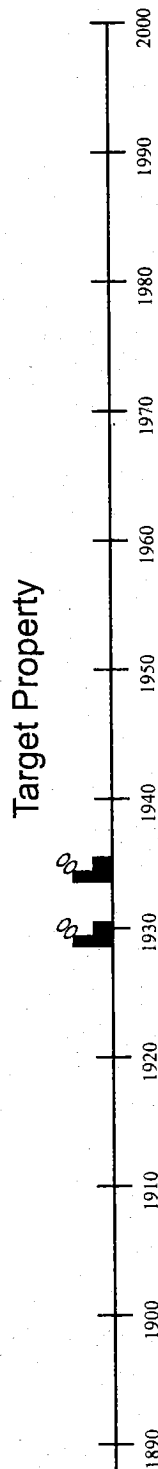
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Prior Use Report® Timeline



Legend:


 = Historical Topographic Map (HT)


 = National Wetland Inventory Map (WT) *

Superscript number corresponds to graph ID in text


*Displayed on timeline when aerial photos, flood prone, FEMA, wetland maps, or Aerial Research Summary are purchased.

 = Flood Prone/FEMA Maps (FP/FR) *

 = Aerial Photos Included (P) *

 = Aerial Photos Available *

 = Residential (R)

 = Commercial or Industrial (C)

Target Property: Michigan Plaza Shopping Center
Address: 3811 W Michigan St
City/State/Zip: Indianapolis, IN 46249

Customer: Mundell & Associates, Inc
Contact: Leena Lothe
Inquiry #: 1073238-8
Date: 10/29/2003

4. SUMMARY

- *City Directories:*

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2000. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

This report compiles information by geocoding the subject properties (that is, plotting the latitude and longitude for such subject properties and obtaining data concerning properties within 1/8 of a mile of the subject properties). There is no warranty or guarantee that geocoding will report or list all properties within the specified radius of the subject properties and any such warranty or guarantee is expressly disclaimed. Accordingly, some properties within the aforementioned radius and the information concerning those properties may not be referenced in this report.

Date EDR Searched Historical Sources:**Target Property:**

3811 W Michigan St
Indianapolis, IN 46249

<u>PUR ID</u> <u>Year</u>	<u>Uses</u>	<u>NAICS</u>	<u>Source</u>
1920	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1925	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1930	POTTER JOHN A(R)GRO (3811)		R. L. Polk & Co.
1935	OLIVER CLARENCE B (3811)		R. L. Polk & Co.
1945	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1949	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1954	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1957	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1959	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1962	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1964	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1970	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1973	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1975	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1978	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1980	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1985	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1986	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1990	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1991	Address not Listed in Research Source	N/A	R. L. Polk & Co.
2000	Address not Listed in Research Source	N/A	Haines & Company

Adjoining Properties

SURROUNDING

Multiple Addresses
Indianapolis, IN 46249

<u>PUR ID</u> <u>Year</u>	<u>Uses</u>	<u>NAICS</u>	<u>Source</u>
1920	** TOMLINSON Addresses ** HENRY AURS (523) LAFAYETTE MURPHY (536) HUBERT W ADAMS CONTR (540) ALB O ROUNDER (544) BARTLETT L PROPST (547) MARSHALL F GOLDEN (550) LEE R TAYLOR (556)		R. L. Polk & Co.
1925	Address not Listed in Research Source	N/A	R. L. Polk & Co.
1930	** OLIN AVE Addresses ** CRANDALL (N) CHAS B (450) ** TOMLINSON Addresses ** Unknown (506) Unknown (523) Unknown (536) Unknown (540) Unknown (542) Unknown (544) Unknown (547) Unknown (550) Unknown (556) ** MICHIGAN W Addresses ** SUDDITH GUY (3748) DENNEY WNM (3815) SMITH JAS W (3819) FRUITS OREN (3821) OWEN WN (3822) MCQULSTON SAMI (3824) SMALILMAN IDA MRS0 (3825) WHITAKER ALVA HO (3837) BENNOTT CIARENCE W0 (3841) SCHAUB OSCAR W(R) (3926) KELLER GEO W(R) (3936) DENSHAM EARL T (3937) BAUGH WIN T(R) (3938)		R. L. Polk & Co.

<i>PUR ID</i>	<i>Year</i>	<i>Uses</i>	<i>NAICS</i>	<i>Source</i>
	1930 (continued)	SPRINGER LOUIS C (3939)		
1935		<u>** MICHIGAN W Addresses **</u> WNILTS WALTER H (3748) AKERS JOS A(R) (3815) SMITH JAS WO (3819) TEDRICK WM (3821) NELSON JAS N(R) PE (3822) MEQULOTON SAINIR (3824) GELAA TERRY(R) (3825) WHITAKER ALVA ER (3837) TAYLOR TUSSELL H F (3841) REARWESSON MOOREM (3926) SOHAUB OSCAR W(R) (3926) RAMSEY MUEMMS (3936) KICLOETIS JOB (3937) S BAUGH WIN TF (3938) SPRLNGER LOUIS CR INTERIOR DECORATO (3939)		R. L. Polk & Co.
1945		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1949		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1954		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1957		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1959		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1962		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1964		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1970		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1973		<u>** TOMLINSON N ST Addresses **</u> WILSON ROBT D (506) PHEBUS GLADYS M MRS (509) SPRINGER WALTER (523) STOCKING CHARLES E (524) BUCHANAN GEO H (530) MILLER W EDW (534) TOMLINSON BRICE L (544) MOORE JOHN E (545) MILLER ANNETTA H MRS (547) TAYLOR JOSEPH G (548)		R. L. Polk & Co.

<u>PUR ID</u>	<u>Year</u>	<u>Uses</u>	<u>NAICS</u>	<u>Source</u>
	1973 (continued)	GAUS WM H (549)		
		BROCKMAN EDW R (554)		
		<u>** W MICHIGAN ST Addresses **</u>		
		BANKS JOSEPH J (3800)		
		GEARRIES JOYCE K (3800)		
		HUTCHESON SHARON MRS (3800)		
		KLAUSNER JOSEPH (3800)		
		MICHIGAN MEADOWS APTS (3800)		
		RIDENOUR JOYCE L (3800)		
		SIEGRIST THOS A (3800)		
		SINGLETON JUDY (3800)		
		SMITH CHARLES E (3800)		
		SPARKS JAMES F (3800)		
		TIMOTHY PAUL B (3800)		
		SHORT STOP MARKET (3801)		
		MICHIGAN PLAZA PHARMACY (3805)		
		VACANT (3807)	N/A	
		VACANT (3809)	N/A	
		INDIANAPOLIS MARION COUNTY PUB LIBRARY (3815)		
		COX JOHN L (3817)		
		ACCENT CLEANERS (3819)		
		MICHIGAN PLAZA COIN LNDY (3823)		
		OLMHTED BURTON L (3835)		
		CLOE GEO E (3839)		
		NO RETURN (3926)		
		JOHNSON HORACE D (3927)		
		GUERECIA TIMOTHY (3928)		
		JOHNSON JOHN (3931)		
		KONRAD THOS E (3936)		
		ARROWS TAXIDERM (3937)		
		EADS ROBT (3937)		
		SHAW CLARENCE E (3938)		
		APPLEGATE MICH (3939)		
		BURR HOWARD (3949)		
1975		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1978		<u>** MICHIGAN W ST Addresses **</u>		R. L. Polk & Co.
		MICHIGAN MEADOWS APT (3800)		
		SHORT STOP MARKET (3801)		
		VACANT (3805)	N/A	
		PLAZA BOUTIQUE SALON (3807)		

<i>PUR ID</i>	<i>Year</i>	<i>Uses</i>	<i>NAICS</i>	<i>Source</i>
	1978 (continued)	VACANT (3809)	N/A	
		INDIANAPOLIS MARION COUNTY PUB LIBRARY (3815)		
		COX JOHN L (3817)		
		ACCENT DRY CLEANING (3819)		
		MICHIGAN PLAZA COIN LNDRY (3823)		
		OLMSTEAD BURTON L (3835)		
		CLOE GEO E (3839)		
		WELBORN ARTH L (3939)		
		BURR HOWARD L (3949)		
		DUNCAN LEE V (3950)		
1980		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1985		Address not Listed in Research Source	N/A	R. L. Polk & Co.
1986		<u>** TOMLINSON N ST Addresses **</u>		R. L. Polk & Co.
		WILSON ROBT D (506)		
		DILLENDR ERNEST E 24 M (509)		
		BO DG MARGT L (523)		
		STOCKING DOROTHY A MRS (524)		
		TORNLINSON BRICE L (544)		
		NO RETURN (545)		
		COSSELL CHARLES I (547)		
		DILLON CHEASTER L (548)		
		BLANKENOHIP JOHNNY L (556)		
		<u>** W MICHIGAN ST Addresses **</u>		
		LAMM CONNLE (3800)		
		MICHIGAN MEADOWS APTS (3800)		
		NO RETURN (3800)		
		NO RETURN (3800)		
		ORUNDY JATMES R (3800)		
		STAPP JOYCE F MRS (3800)		
		VILLAGE PANTRY GRO (3801)		
		ME CLOUD PEST CONTROL (3809)		
		INDIANAPOLIS MARION COUNTY PUB LIBRARY (3815)		
		COX JOHN L (3817)		
		ACCENT DRY CLEANING (3819)		
		MICHIGAN PLAZA COIN LNDRY (3823)		
		OLMSTED BURTON L (3835)		
		CLOE GEO (3839)		
		OSTING HAROLD L (3939)		
		BURR HOWARD L (3949)		
		NO RETURN (3950)		

<u>PUR ID</u>	<u>Year</u>	<u>Uses</u>	<u>NAICS</u>	<u>Source</u>
	1990	Address not Listed in Research Source	N/A	R. L. Polk & Co.
	1991	<u>** TOMLINSON N ST Addresses **</u> WILSON ROBT D (506) DILLENDER ERNEST E (509) BOGGS MARGT L (523) STOCKING DOROTHY A MRS (524) CRAIL ROBT E (530) CAINE SALLY S (534) TOMLINSON BRICE L (544) ARMSTRONG JOSEPH L (545) PRESLEY DICK (547) VACANT (548) WISE MARY A MRS GAUS WM H (549) BROCKMAN EDW R (554) BLANKENSHIP JOHNNY L (556)	N/A	R. L. Polk & Co.
	2000	<u>** HOLT RD Addresses **</u> XXXX 00 (501) RICHARDSON LEONARD (502) FELIX P A (505) XXXX 00 (507) CLARK ROBT E (511) WOOLUMS J S (512) XXXX 00 (513) MILLER BURLESS D (516) CHILDERS JASON (520) XXXX 00 (524) XXXX 00 (526) FARLOW ROBT N (527) XXXX 00 (529) ALBRECHT LAURA M (531) SENEAC LESLI (542) XXXX 00 (543) AMER LEGION 64 (601) <u>** TOMLINSON Addresses **</u> WILSON ROBT D SR (506) CARDWELL STEVE (509) XXXX 00 (523) SWATTS DOROTHY (524) XXXX 00 (530) CAINE S S (534)		Haines & Company

<u>PUR ID</u>	<u>Year</u>	<u>Uses</u>	<u>NAICS</u>	<u>Source</u>
2000 (continued)				
		TOMLINSON B L (534)		
		MARTIN SHARON (545)		
		MARTIN TERRENCE (545)		
		PRESLEY M (547)		
		CLOUD DOUGLAS A (548)		
		GAUS WM H (549)		
		BRACKEN MATHEW R (554)		
		BLANKENSHIP MARY (556)		
		** MICHIGAN W Addresses **		
		ABRON CRISSY (3800)		
		ADAMS CURTIS (3800)		
		ALLOCCO VICTORIA (3800)		
		ALVARADO SALVADOR (3800)		
		ARRIAGA RENA (3800)		
		ARTEAGA ANTONIO (3800)		
		AVANT KIMBERLY (3800)		
		AYRE THOMAS A (3800)		
		BANKS LISA (3800)		
		BAUGH R (3800)		
		BAUTISTA VICTORIA (3800)		
		BECERRIL ALVARO (3800)		
		BLOCK JERRY (3800)		
		BOWLING ROSS S (3800)		
		BOWMAN EDWARD (3800)		
		BROOKS ANTHONY (3800)		
		BROSHOUS E A (3800)		
		BROWN BETTY (3800)		
		BUENO JUANITA B (3800)		
		BUI XE T (3800)		
		BUNTEN JOHN R (3800)		
		BUTLER AMANDA (3800)		
		CABRERA OBDULIA (3800)		
		CALDERON GERMAN (3800)		
		CALOWELL D (3800)		
		CAMBRON JOSE MANUEL (3800)		
		CAMERON R G (3800)		
		CARTER A (3800)		
		CARTER KAREN (3800)		
		CASTRO RAFAEL M (3800)		
		CORREA BEATRIZE F (3800)		
		COX J L (3800)		
		DAVIS J (3800)		

PUR ID
Year **Uses**

NAICS

Source

2000 (continued)

DILLARD TALESHA (3800)
DONALD DENISE (3800)
ESLAVA MAXIMINO (3800)
FITZPATRICK GEN (3800)
GADDIS J R (3800)
GARRETT JAMES M (3800)
GLASPER N H (3800)
GONZALEZ BLANCA (3800)
GONZALEZ GANIER (3800)
GONZALEZ JOSE MANUEL (3800)
GONZALEZ NORMA (3800)
GOSE E (3800)
GOURLEY BRIDGET A (3800)
GROW MIKE (3800)
GUILLEN PEDRO (3800)
HAASE BERTA (3800)
HALL THOMAS R (3800)
HAMMER WM (3800)
HAMMOND JOHN (3800)
HAWKINS DAVID (3800)
HINER DOROTHY (3800)
JACKSON S (3800)
JENNINGS WAYNE (3800)
JOHNSON L S (3800)
JONES LAKETHIA (3800)
KADAKIA TUSHER (3800)
KENNEBREW M (3800)
KENNETT P R (3800)
KIM DAE HEE (3800)
KING MAXINE (3800)
KNOPPKIE MARVIN (3800)
LAFOLLETTE LARRY (3800)
LAREAU DOUGLAS (3800)
LAWRENCE JR (3800)
LEBO S (3800)
LEDMAN JOHN (3800)
LEE D (3800)
LEE J (3800)
LIMBROCK A (3800)
LOCKHART W (3800)
MANN JULIE (3800)
MARTIN TONY (3800)

PUR ID
Year **Uses**

NAICS

Source

2000 (continued)

MARTINEZ DARRO (3800)
MARTINEZ MANO (3800)
MAZARIEGOS MARLENY (3800)
MCGAIRK CHRISTINA (3800)
MCWILLIAMS KIP (3800)
MEDARIS MARGARET (3800)
MI APARTMENTS (3800)
MICHIGAN MDWS APTS (3800)
MONTESDEOCA REYNALDO (3800)
MORALES GERMAN (3800)
MOREL GAIL (3800)
MORGAN CHARLES W SR (3800)
MORRIS TERESA (3800)
MURCIA DELMI G (3800)
MURRELL BYRON (3800)
MURRELL MELISSA (3800)
NDONGO PATRICE A (3800)
NIMYLOVYCH JURIJ A (3800)
NORHAZLIN ABU HASAN (3800)
OROZCO JAIME (3800)
OUTLAW WM T JR (3800)
PABLO GUADALUPE (3800)
PARKER TARSHA L (3800)
PATTERSON AARON (3800)
PEOPLES ANDREW (3800)
PEREZ SEFENINO (3800)
PINEDA INS (3800)
POULAKOS ALICE (3800)
PRICE MANE A (3800)
PUCKETT CAROL (3800)
RAMSEY CRYSTAL (3800)
REED CHRISTEN (3800)
RENTON FREDERICK (3800)
ROBINSON CLARA (3800)
ROWLETTE G (3800)
SAMBA NATHANIEL S (3800)
SANTOS CESAR AUGUSTO (3800)
SANTOS MRRIAM NOEMI (3800)
SCHWENDEMAN (3800)
SCOTT M E (3800)
SENA RACHAEL (3800)
SLAUGHTER TAMEKA (3800)

1073238-8

11

AMMH001114

<i>PUR ID</i>	<i>Year</i>	<i>Uses</i>	<i>NAICS</i>	<i>Source</i>
2000 (continued)				
		SMITH ZELMA (3800)		
		SOTO JOSE J (3800)		
		STARKS KAREN (3800)		
		STOWERS JOHN (3800)		
		STOWERS MARY (3800)		
		SULLIVAN JOSEPH M (3800)		
		TAYLOR ROBT (3800)		
		THISPLETHWAITE MISTY RENEE (3800)		
		THOMAS STANLEY (3800)		
		THOMAS VERNON (3800)		
		THOMPSON CORA (3800)		
		UBELHOR GEORGETTE (3800)		
		WATKINS CLEO (3800)		
		WHITLOCK F D (3800)		
		WILLEY SARAH (3800)		
		WILLIAMS KAREN (3800)		
		WOLFLA J M (3800)		
		WYNNE JAMES (3800)		
		Unknown (3800)		
		VILLAGE PANTRY (3801)		
		LIBRARIES-PUBLIC-BRANCH (3805)		
		XXXX 00 (3807)		
		ALLSTATE INS SALES (3809)		
		AMONETT CHERYL (3809)		
		FITTS CHARLIE (3809)		
		CTY CO LBRY (3815)		
		NATL HANDICAPPED WORKSHOP INC (3815)		
		COX ALFEROCINA (3817)		
		XXXX 00 (3819)		
		BUSTIN BUBBLES LAUNDRY (3823)		
		XXXX 00 (3830)		
		OLMSTED BURTON L (3835)		
		HELTON J (3839)		
		XXXX 00 (3939)		
		BURR HOWARD L (3949)		
		XXXX 00 (3950)		

Prior Ownership History

Parcel 9010112 (Apt. complex)

W 19780109 19780109 Eades, David C &
↓ Roy H Lambert
Warranty deed % Regency Windsor Co.
Suite 1-5.

700 Olin Avenue: Parcel 9035493

TAX DISC: 901

USE: 340.

PROP LOC: 700 OLIN

Deed Type W Date 09/27/2002

Land
171,800

Imp
393,500

Total
565,300

Parcel status: Active

Average: 4.9180

Prior Ownership History
Parcel 9035493

W 19981230 19981231 Associated Properties
Services Inc. A/K/A
Associated Property
Services Inc.

C 19931129 19931206 AEC Aquisition Corp
% Allison Engine Co.
Mail Drop U 27

W 19770304 19770304 General Motors Corp.
c/o Allison Gas
Turbine Division.



Indianapolis General Data Viewer



Layers

Refresh Map

Visible Active

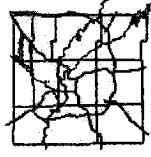
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- ☐ 2002 Aerial Photography
- ☐ 2001 Aerial Photography
- ☐ 2000 Aerial Photography
- ☐ 1999 Aerial Photography
- ☐ 1997 Aerial Photography
- ☐ 1995 Aerial Photography
- ☐ 1993 Aerial Photography
- ☐ 1974 Aerial Photography
- ☐ 1962 Aerial Photography
- ☐ 1956 Aerial Photography
- ☒ 1937 Aerial Photography

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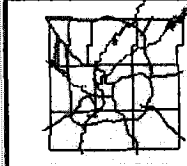
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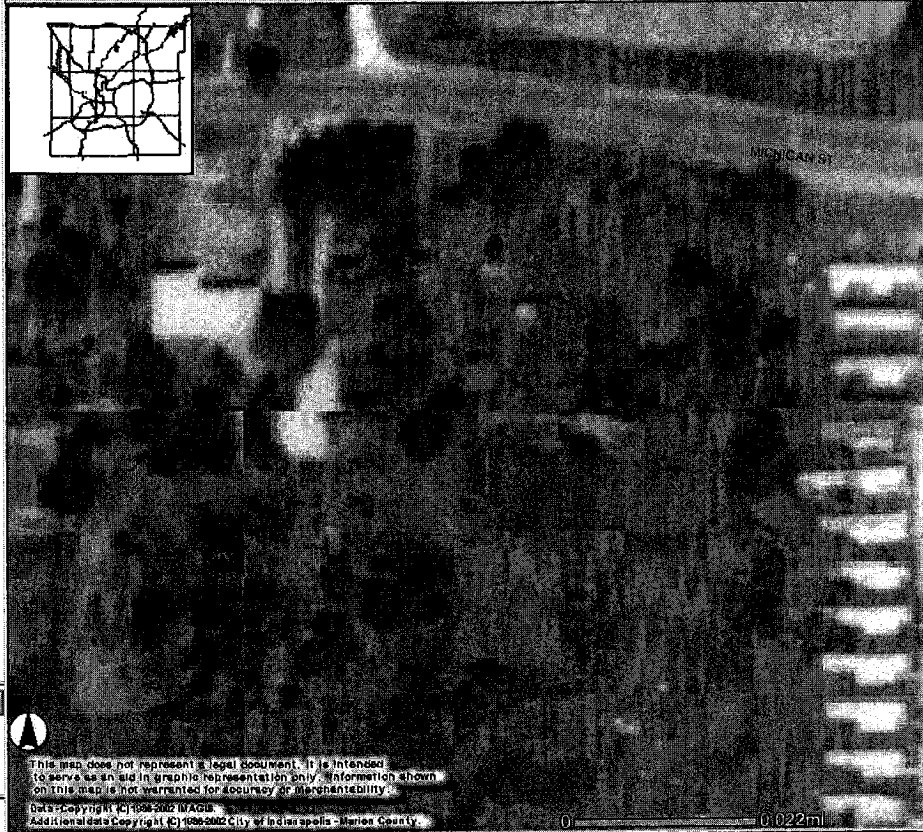
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Indianapolis General Data Viewer

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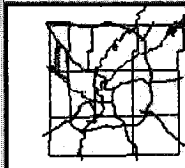
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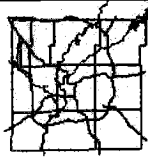
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Layers

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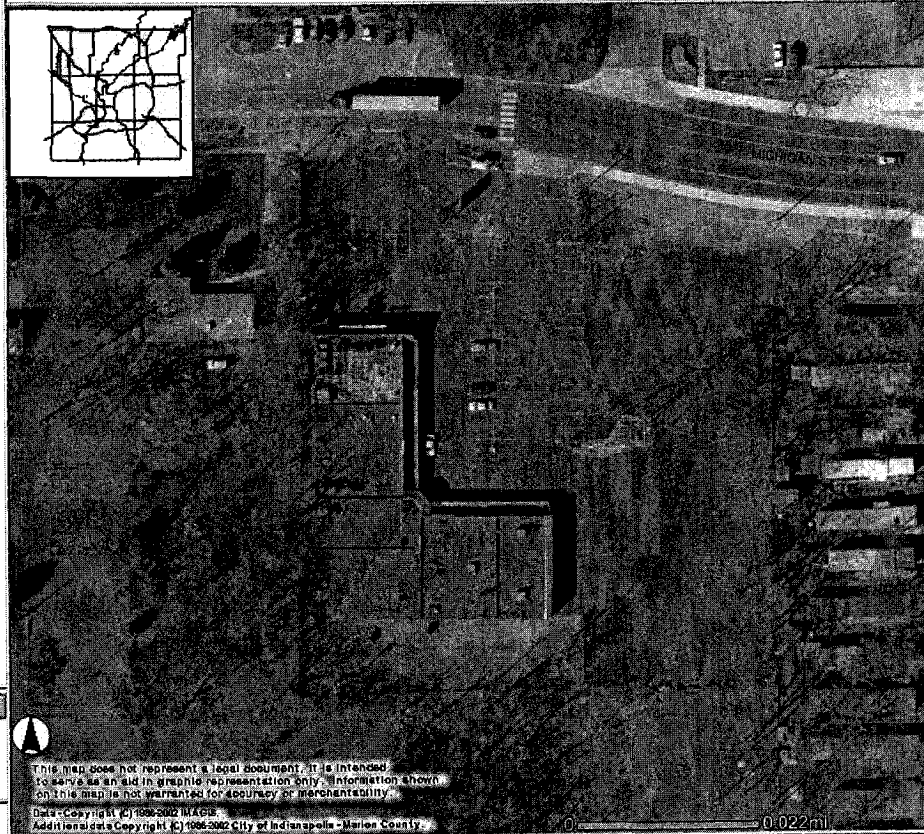
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Appendix C

APPENDIX C

EDR Radius Map and Report

APPENDIX C

EDR Radius Map and Report



The EDR Radius Map with GeoCheck®

**Michigan Plaza Shopping Center
3800/3801-3823 W Michigan St
Indianapolis, IN 46222**

Inquiry Number: 01073238.4r

October 29, 2003

The Source For Environmental Risk Management Data

**3530 Post Road
Southport, Connecticut 06890**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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Executive Summary.....	ES1
Overview Map.....	2
Detail Map.....	3
Map Findings Summary.....	4
Map Findings.....	6
EDR Proprietary Historical Map Findings.....	19
Orphan Summary.....	20
EPA Waste Codes.....	EPA-1
Government Records Searched/Data Currency Tracking.....	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum.....	A-1
Physical Setting Source Summary.....	A-2
Physical Setting Source Map.....	A-7
Physical Setting Source Map Findings.....	A-8
Physical Setting Source Records Searched.....	A-14

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

3800/3801-3823 W MICHIGAN ST
INDIANAPOLIS, IN 46222

COORDINATES

Latitude (North): 39.773580 - 39° 46' 24.9"
Longitude (West): 86.226390 - 86° 13' 35.0"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 566254.8
UTM Y (Meters): 4402704.0
Elevation: 715 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2439086-G2 INDIANAPOLIS WEST, IN
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
COCA COLA BOTTLING 3800 W MICHIGAN INDIANAPOLIS, IN 0	LUST UST	N/A
3800 WEST MICHIGAN STREET 3800 WEST MICHIGAN STREET INDIANAPOLIS, IN 0	IN Spills	N/A
ACCENT CLEANERS 3819 W MICHIGAN ST INDIANAPOLIS, IN 46222	RCRIS-SQG FINDS	IND133360693
MICHIGAN APARTMENTS 3800 W MICHIGAN ST INDIANAPOLIS, IN 46222	FINDS	110012129678

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP.....	CERCLIS No Further Remedial Action Planned
RCRIS-TSD.....	Resource Conservation and Recovery Information System
RCRIS-LQG.....	Resource Conservation and Recovery Information System
ERNS.....	Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF.....	Permitted Solid Waste Facilities
-------------	----------------------------------

FEDERAL ASTM SUPPLEMENTAL

CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
Delisted NPL.....	National Priority List Deletions
HMIRS.....	Hazardous Materials Information Reporting System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
NPL Liens.....	Federal Superfund Liens
PADS.....	PCB Activity Database System
DOD.....	Department of Defense Sites
US BROWNFIELDS.....	A Listing of Brownfields Sites
RAATS.....	RCRA Administrative Action Tracking System
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
SSTS.....	Section 7 Tracking Systems
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

BULK.....	Registered Bulk Fertilizer and Pesticide Storage Facilities
-----------	---

BROWNFIELDS DATABASES

US BROWNFIELDS.....	A Listing of Brownfields Sites
Brownfields.....	Brownfields Site List
INST CONTROL.....	Sites with Restrictions

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 08/13/2003 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>GMC ALLISON TRANSMISSION PLANT</i>	<i>4700 WEST 10TH STREET P</i>	<i>1/2 - 1 WNW 10</i>		<i>10</i>

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 09/10/2003 has revealed that there are 2 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GENERAL MOTORS PLT 10	700 N OLIN AVE	1/8 - 1/4 NNE	B5	7
<i>FORMER ALLISON PLT 10</i>	<i>700 N OLIN AVE</i>	<i>1/8 - 1/4 NNE</i>	<i>B6</i>	<i>7</i>

STATE ASTM STANDARD

EXECUTIVE SUMMARY

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Management's List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model.

A review of the SHWS list, as provided by EDR, has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MARATHON ASHLAND PETROLEUM SPE	1304 OLIN AVENUE	1/2 - 1 N	11	17

LUST: Lust List.

A review of the LUST list, as provided by EDR, and dated 09/24/2003 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SPEEDWAY/SM #6122	4155 W 10TH ST	1/4 - 1/2 NNW	9	9

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FLORAL PARK CEMETERY	3659 COSSEL RD	1/4 - 1/2 SE	8	8

VCP:Department of Environmental Management's current list of Voluntary Remediation Program sites that are no longer confidential.

A review of the VCP list, as provided by EDR, and dated 06/01/2003 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALLISON ENGINE CO. (FORMER)	700 N. OLIN AVE.	1/8 - 1/4 NNE	7	8

BROWNFIELDS DATABASES

VCP:Department of Environmental Management's current list of Voluntary Remediation Program sites that are no longer confidential.

A review of the VCP list, as provided by EDR, and dated 06/01/2003 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALLISON ENGINE CO. (FORMER)	700 N. OLIN AVE.	1/8 - 1/4 NNE	7	8

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name

Database(s)

MARATHON/ROCK ISLAND REFINERY AND TERMIN
AVANTI
TENTH & LYNHURST DUMP
INDIANA NATIONAL GUARD
DEERING CLEANERS
SHELL BULK TERMINAL/DREW PROPERTY
BETWEEN 10TH AND MICHIGAN AT TIBBS
EVANS DIVISON OF IL CEREAL MILLS 1750 WEST MICHIGAN
GEORGTOWN SQUARE CENTER 4711 W. 30TH
LILLY CORPORATE CENTER BLDG 25/46
LILLY CORPORATE CENTER
LILLY CORPORATE CENTER
GM METAL FABRICATING DIV. INDIANAPOLIS METAL CENTER

SHWS
SHWS
CERC-NFRAP
UST
VCP
VCP
ERNS
ERNS
ERNS
ERNS
ERNS
ERNS
TRIS

OVERVIEW MAP - 01073238.4r - Mundell & Associates, Inc



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands

0 1/4 1/2 1 Miles

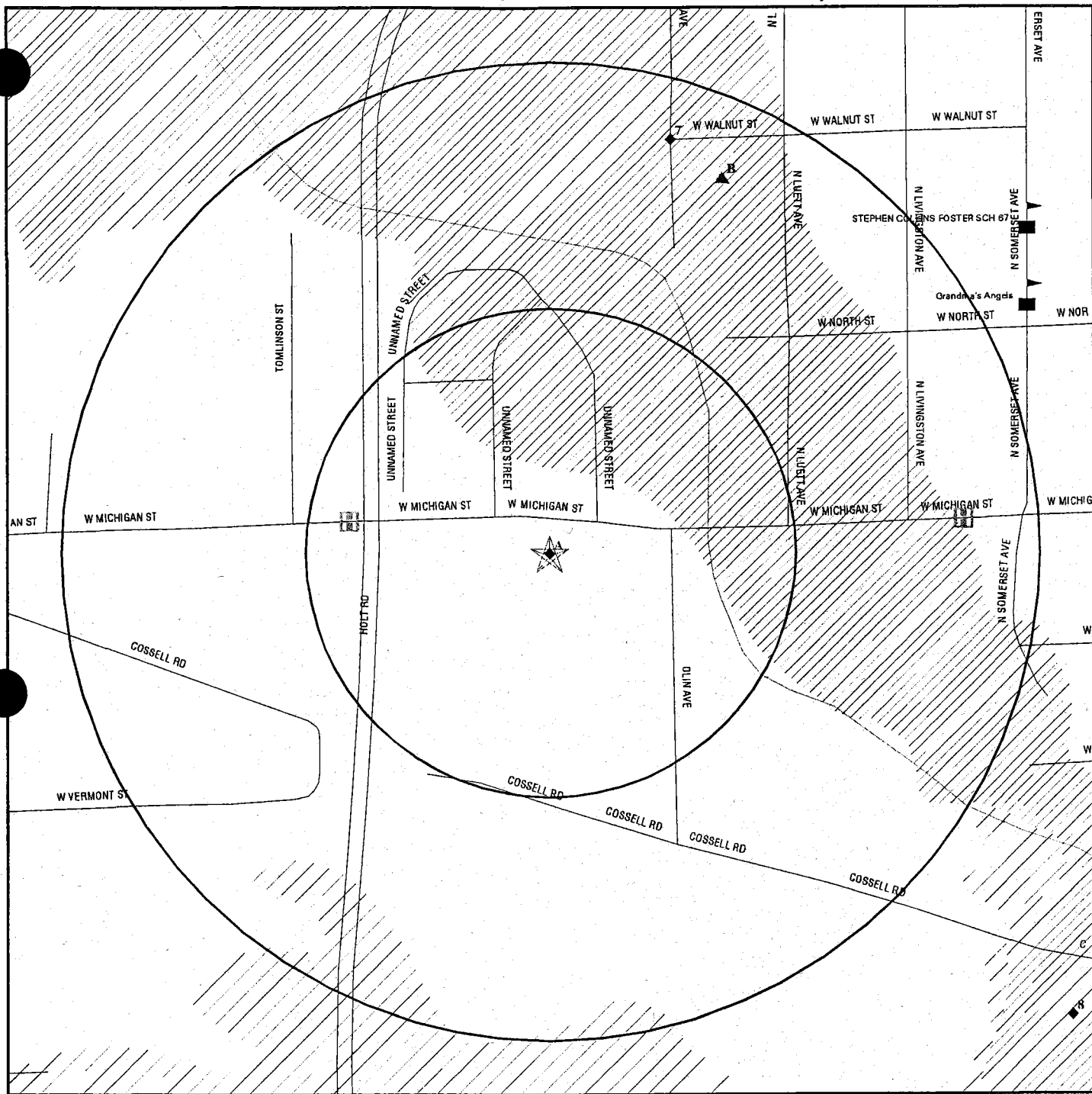


TARGET PROPERTY: Michigan Plaza Shopping Center
 ADDRESS: 3800/3801-3823 W Michigan St
 CITY/STATE/ZIP: Indianapolis IN 46222
 LAT/LONG: 39.7736 / 86.2264

CUSTOMER: Mundell & Associates, Inc
 CONTACT: Leena Lothe
 INQUIRY #: 01073238.4r
 DATE: October 29, 2003 2:37 pm

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DETAIL MAP - 01073238.4r - Mundell & Associates, Inc



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- [E] Historical Gas Stations / Historical Dry Cleaners
See the EDR Proprietary Historical Map Findings
- ⚡ Sensitive Receptors
- [N] National Priority List Sites
- [L] Landfill Sites
- [D] Dept. Defense Sites

- [Z] Oil & Gas pipelines
- [F] 100-year flood zone
- [G] 500-year flood zone

0 1/16 1/8 1/4 Miles



TARGET PROPERTY: Michigan Plaza Shopping Center
 ADDRESS: 3800/3801-3823 W Michigan St
 CITY/STATE/ZIP: Indianapolis IN 46222
 LAT/LONG: 39.7736 / 86.2264

CUSTOMER: Mundell & Associates, Inc
 CONTACT: Leena Lothe
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 DATE: October 29, 2003 2:37 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	1	NR	1
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.	X	0.250	0	2	NR	NR	NR	2
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
LUST	X	0.500	0	0	2	NR	NR	2
UST	X	0.250	0	0	NR	NR	NR	0
VCP		0.500	0	1	0	NR	NR	1
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
IN Spills	X	TP	NR	NR	NR	NR	NR	0
BULK		TP	NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Gas Stations/Dry Cleaners		0.250	7	4	NR	NR	NR	11
Coal Gas		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
INST CONTROL		0.250	0	0	NR	NR	NR	0
VCP		0.500	0	1	0	NR	NR	1

NOTES:

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

A1
Target
Property

COCA COLA BOTTLING
3800 W MICHIGAN
INDIANAPOLIS, IN 0

LUST
UST

1000762719
N/A

Site 1 of 4 in cluster A

Actual:
714 ft.

LUST:

Facility ID: 20068
Owner Name: Coca Cola Bottling
Incident Number: 198802048
Priority: Low
Affected Area: Soil
Description: Active

UST:

Facility ID: 20068
Tank Number: 0
Tank Status: Not reported
Install Date: / /
Closure Date: Not reported
Owner Id: 12000
Company Name: Unknown
Mailing Address: Not reported
IN 0

A2
Target
Property

3800 WEST MICHIGAN STREET
INDIANAPOLIS, IN 0

IN Spills
S105274365
N/A

Site 2 of 4 in cluster A

Actual:
714 ft.

SPILL:

Facility ID: 200201143
Incident Date: 1/22/2002 14:00:00
Spill Type: Spill
Spill Source: Other
Contained: Not reported
Water Affected: Little Eagle Creek
Fish Killed: Not reported
Enforcement: PENDING ADDITIONAL REPORT
Spilled Amount: 3.00
Recovered Amnt: Not reported
Material: Domestic sewage
Cleanup Duration: Not reported
Public Intake: Not reported

Report Date: 1/22/2002 16:30:09

Area Affected: undetermined
Wtr Supply Affctd: No

Units: Gallons
Units: Not reported

A3
Target
Property

ACCENT CLEANERS
3819 W MICHIGAN ST
INDIANAPOLIS, IN 46222

RCRIS-SQG
FINDS

1004699100
IND133360693

Site 3 of 4 in cluster A

Actual:
714 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ACCENT CLEANERS (Continued)

EDR ID Number
EPA ID Number

Database(s)

1004699100

RCRIS:

Owner: CLEVERLY ROBERT

(312) 555-1212

EPA ID: IND133360693

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

✓ A4 Target Property
MICHIGAN APARTMENTS
3800 W MICHIGAN ST
INDIANAPOLIS, IN 46222

FINDS 1004499836
110012129678

Actual:
714 ft.

Site 4 of 4 in cluster A

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

State Systems (STATE)

✓ B5 NNE
1/8-1/4
1096 ft.
GENERAL MOTORS PLT 10
700 N OLIN AVE
INDIANAPOLIS, IN 46221

RCRIS-SQG 1001196141
INR000010926

Relative:
Equal

Actual:
715 ft.

Site 1 of 2 in cluster B

RCRIS:

Owner: ALLISON ENGINE CO

(317) 230-6095

EPA ID: INR000010926

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

✓ B6 NNE
1/8-1/4
1112 ft.
FORMER ALLISON PLT 10
700 N OLIN AVE
INDIANAPOLIS, IN 46206

RCRIS-SQG 1000110525
FINDS IND000806810

Relative:
Equal

Actual:
715 ft.

Site 2 of 2 in cluster B

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FORMER ALLISON PLT 10 (Continued).

1000110525

RCRIS:

Owner: GENUINE PARTS CO
(770) 858-2564
EPA ID: IND000806810
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D007	9963000.00	D008	9963000.00

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Biennial Reporting System (BRS)
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

7
NNE
1/8-1/4
1160 ft.

ALLISON ENGINE CO. (FORMER)
700 N. OLIN AVE.
INDIANAPOLIS, IN

VCP S105202299
N/A

Relative:
Lower

IN VCP:

VRP Id Number: 6991004
Applicant Name: Genuine Parts Company
Project Manager: Wieringa
Cert of Completion Issued: Not reported
Covenant Not To Sue Issued: Not reported
Status: Active

Actual:
714 ft.

8
SE
1/4-1/2
1884 ft.

FLORAL PARK CEMETERY
3659 COSSEL RD
INDIANAPOLIS, IN 46222

LUST 1000514185
UST N/A

Relative:
Lower

LUST:

Facility ID: 14038
Owner Name: Floral Park Cemetery
Incident Number: 199902503
Priority: Low
Affected Area: Soil
Description: Active

Actual:
702 ft.

UST:

Facility ID: 14038
Tank Number: 1
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: 1/25/99 0:00
Owner Id: 5620
Company Name: Floral Park Cemetery Association
Mailing Address: 2702 Kessler Blvd W Dr

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FLORAL PARK CEMETERY (Continued)
Indianapolis, IN 46208

1000514185

9
NNW
1/4-1/2
2589 ft.

SPEEDWAY/SM #6122
4155 W 10TH ST
INDIANAPOLIS, IN 46222

UST U001079367
LUST N/A

Relative:
Higher

LUST:

Facility ID: 6663
Owner Name: United
Incident Number: 198912509
Priority: Low
Affected Area: Soil
Description: Discontinued

Actual:
720 ft.

UST:

Facility ID: 6663
Tank Number: 6
Tank Status: CURRENTLY IN USE
Install Date: 08/01/90
Closure Date: Not reported
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

Facility ID: 6663
Tank Number: 7
Tank Status: CURRENTLY IN USE
Install Date: 08/01/90
Closure Date: Not reported
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

Facility ID: 6663
Tank Number: 8
Tank Status: CURRENTLY IN USE
Install Date: 08/01/90
Closure Date: Not reported
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

Facility ID: 6663
Tank Number: 9
Tank Status: CURRENTLY IN USE
Install Date: 08/01/90
Closure Date: Not reported
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

Facility ID: 6663
Tank Number: 1

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SPEEDWAY/SM #6122 (Continued)

U001079367

Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: 8/1/90 0:00
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

Facility ID: 6663
Tank Number: 2
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: 8/1/90 0:00
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

Facility ID: 6663
Tank Number: 3
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: 8/1/90 0:00
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

Facility ID: 6663
Tank Number: 4
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: 8/1/90 0:00
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

Facility ID: 6663
Tank Number: 5
Tank Status: PERMANENTLY OUT OF SERVICE
Install Date: / /
Closure Date: 8/1/90 0:00
Owner Id: 107
Company Name: Speedway SuperAmerica LLC
Mailing Address: Po Box 1500
Springfield, OH 45501

① L
② U

10
WNW
1/2-1
4115 ft.

Relative:
Higher

Actual:
724 ft.

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1
4700 WEST 10TH STREET PO BOX 894
INDIANAPOLIS, IN 46206

PADS 1000993997
RCRIS-LQG IND006413348
FINDS
CORRACTS
CERC-NFRAP

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000993997

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported

Non NPL Code: DR

Ownership Status: Other

Federal Facility: Not a Federal Facility

NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY

Assessment: PRELIMINARY ASSESSMENT

Assessment: PRELIMINARY ASSESSMENT

Assessment: ARCHIVE SITE

Completed: 08/22/1985

Completed: 10/10/1986

Completed: 09/30/1993

Completed: 12/12/1995

CERCLIS-NFRAP Alias Name(s):

DETROIT DIESEL ALLISON DIV GM CORP

DETROIT DIESEL (SIA)

ALLISON TRANSMISSION-GM

CORRACTS Data:

EPA Id: IND006413348

Region: 5

Area Name: ENTIRE FACILITY

Original Scheduled Date: Not reported

Actual Date: 09/30/1993

Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority

2002 NAICS Title: Railroad Rolling Stock Manufacturing
Mechanical Power Transmission Equipment Manufacturing
All Other Motor Vehicle Parts Manufacturing
Aircraft Engine and Engine Parts Manufacturing

EPA Id: IND006413348

Region: 5

Area Name: ENTIRE FACILITY

Original Scheduled Date: Not reported

Actual Date: 03/31/1994

Corrective Action: CA225YE - Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations

2002 NAICS Title: Railroad Rolling Stock Manufacturing
Mechanical Power Transmission Equipment Manufacturing
All Other Motor Vehicle Parts Manufacturing
Aircraft Engine and Engine Parts Manufacturing

RCRIS Corrective Action Summary:

Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event Date: 03/31/1994

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event Date: 09/30/1993

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

RCRIS:

Owner: GMC DETROIT DIESEL ALLISON DIV PLT 3
(317) 242-4467
EPA ID: IND006413348
Contact: R SEWALL
(317) 242-2366

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	6506.00	D002	25335.00
D005	582.00	D007	43688.00
D008	13383.00	D009	76.00
D025	68.00	F001	37664.00
F006	27980.00	F007	18520.00
F008	807.00	F009	18520.00
U002	293.00	U007	215.00
U044	293.00	U226	582.00
U239	293.00		

Violation Status: Violations exist

Regulation Violated: 262.34a2
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 07/25/2002
Actual Date Achieved Compliance: 02/28/2003
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/03/2002
Penalty Type: Not reported

Regulation Violated: 265.193
Area of Violation: TSD-TANKS REQUIREMENTS
Date Violation Determined: 07/25/2002
Actual Date Achieved Compliance: 02/28/2003
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/03/2002
Penalty Type: Not reported

Regulation Violated: 262.34a3
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 07/25/2002
Actual Date Achieved Compliance: 02/28/2003
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/03/2002
Penalty Type: Not reported

Regulation Violated: 268.7
Area of Violation: TSD-LAND BAN REQUIREMENTS
Date Violation Determined: 12/04/2000
Actual Date Achieved Compliance: 07/17/2002
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/29/2001
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

Enforcement Action Date:	05/16/2002
Penalty Type:	Final Monetary Penalty
Regulation Violated:	262.11
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	12/04/2000
Actual Date Achieved Compliance:	07/17/2002
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/29/2001
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	05/16/2002
Penalty Type:	Final Monetary Penalty
Regulation Violated:	262.20
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	12/04/2000
Actual Date Achieved Compliance:	07/17/2002
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/29/2001
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	05/16/2002
Penalty Type:	Final Monetary Penalty
Regulation Violated:	262.11
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/20/1999
Actual Date Achieved Compliance:	02/03/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/09/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/13/1999
Penalty Type:	Not reported
Regulation Violated:	262.34a3
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	05/20/1999
Actual Date Achieved Compliance:	02/03/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/09/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/13/1999
Penalty Type:	Not reported
Regulation Violated:	279.22c
Area of Violation:	INUOA
Date Violation Determined:	05/20/1999
Actual Date Achieved Compliance:	02/03/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/09/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

Enforcement Action Date:	09/13/1999
Penalty Type:	Not reported
Regulation Violated:	273.14
Area of Violation:	INUWR
Date Violation Determined:	05/20/1999
Actual Date Achieved Compliance:	02/03/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/09/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/13/1999
Penalty Type:	Not reported
Regulation Violated:	262.34/265.16
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	05/20/1999
Actual Date Achieved Compliance:	02/03/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/09/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/13/1999
Penalty Type:	Not reported
Regulation Violated:	262.34b
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	05/20/1999
Actual Date Achieved Compliance:	02/03/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/09/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/13/1999
Penalty Type:	Not reported
Regulation Violated:	262.34/265.174
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	05/20/1999
Actual Date Achieved Compliance:	02/03/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/09/1999
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/13/1999
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	12/18/1996
Actual Date Achieved Compliance:	05/16/1997
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	12/18/1996
Actual Date Achieved Compliance:	05/16/1997

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	12/18/1996
Actual Date Achieved Compliance:	05/16/1997
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	12/18/1996
Actual Date Achieved Compliance:	05/16/1997
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	02/28/1992
Actual Date Achieved Compliance:	04/30/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/16/1992
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	02/28/1992
Actual Date Achieved Compliance:	04/30/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/16/1992
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	02/28/1992
Actual Date Achieved Compliance:	04/30/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/16/1992
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	02/28/1992
Actual Date Achieved Compliance:	04/30/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/16/1992
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/11/1985
Actual Date Achieved Compliance:	10/10/1986
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/25/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/11/1985
Actual Date Achieved Compliance:	10/10/1986
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/25/1985
Penalty Type:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

There are 23 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20030228
	TSD-TANKS REQUIREMENTS	20030228
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20030228
Compliance Schedule Evaluation	TSD-LAND BAN REQUIREMENTS	20020717
	GENERATOR-GENERAL REQUIREMENTS	20020717
	GENERATOR-MANIFEST REQUIREMENTS	20020717
Other Evaluation	TSD-LAND BAN REQUIREMENTS	20020717
	GENERATOR-GENERAL REQUIREMENTS	20020717
	GENERATOR-MANIFEST REQUIREMENTS	20020717
Compliance Schedule Evaluation	GENERATOR-GENERAL REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	INUWR	20000203
	INUOA	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	INUWR	20000203
	INUOA	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000203
Compliance Schedule Evaluation	GENERATOR-GENERAL REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
Compliance Schedule Evaluation	GENERATOR-GENERAL REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19970516
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930430
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930430
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930430
	TSD-LAND BAN REQUIREMENTS	19930430
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19861010
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19861010

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AIRS Facility System (AIRS/AFS)
Biennial Reporting System (BRS)
Facility Registry System (FRS)
ICIS
NEI
National Compliance Database (NCDB)
National Emissions Trends (NET)

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GMC ALLISON TRANSMISSION PLANTS 3 & 12/1 (Continued)

1000993997

Resource Conservation and Recovery Act Information system (RCRAINFO)
State Systems (STATE)
Toxic Chemical Release Inventory System (TRIS)

11 MARATHON ASHLAND PETROLEUM SPEEDWAY
North 1304 OLIN AVENUE
1/2-1 INDIANAPOLIS, IN 46222
4300 ft.

RCRIS-SQG 1000993993
FINDS IND005417126
SHWS

Relative:
Higher

RCRIS:
Owner: NAME NOT REPORTED
(312) 555-1212
EPA ID: IND005417126
Contact: PETER A REYNOLDS JR
(419) 421-2336

Actual:
730 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)
D001	4340.00

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AIRS Facility System (AIRS/AFS)
Facility Registry System (FRS)
NEI
Permit Compliance System (PCS)
Resource Conservation and Recovery Act Information system (RCRAINFO)
State Systems (STATE)
Toxic Chemical Release Inventory System (TRIS)

SHWS:

Facility Id : 0000101
Score : 21.04
Score Date: April 1992
Contaminant Type: Petroleum and Volatile Organic Compounds (VOCs)
Media Affected: Soil and groundwater
Last Date: May 2002
Facility Status: STATUS: The Speedway terminal site is a petroleum bulk storage and pipelineterminal operated by Marathon Ashland Petroleum. During an onsite soil and groundwater investigation, petroleum free product was found to be impacting the groundwater. Multiple subsurface investigations were conducted to determine the extent of free product as well as adsorbed and dissolved phase organic compounds. The contaminants of concern were determined to be migrating offsite, and multiple recovery wells were placed to treat the groundwater and collect free product. A soil vapor extraction system is being used to remove volatile organic compounds from the soil and groundwater. Significant reductions in free product thickness are currently being found. The soil vapor extraction system has adequately treated the volatile organic compounds to below cleanup goals. The site currently remains in the operation and maintenance stage. Investigations are ongoing to determine locations of source areas and mitigate these sources. The IDEM is negotiating additional investigation needs with Marathon.

State
db.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MARATHON ASHLAND PETROLEUM SPEEDWAY (Continued)

1000993993

MAP FINDINGS - EDR PROPRIETARY HISTORICAL DATABASES

YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
1973	ACCENT CLEANERS	3819 W MICHIGAN ST	INDIANAPOLIS	IN	West	< 1/8	Higher	CLEANERS AND DYERS
1991	ACCENT DRY CLEANING	3819 W MICHIGAN ST	INDIANAPOLIS	IN	West	< 1/8	Higher	Cleaners
1986	ACCENT DRY CLEANING	3819 W MICHIGAN ST	INDIANAPOLIS	IN	West	< 1/8	Higher	CLEANERS AND DYERS
1991	MICHIGAN PLAZA COIN LNDRY	3823 W MICHIGAN ST	INDIANAPOLIS	IN	West	< 1/8	Higher	Laundries-Self Serve
1986	MICHIGAN PLAZA COIN LNDRY	3823 W MICHIGAN ST	INDIANAPOLIS	IN	West	< 1/8	Higher	LAUNDRIES-SELF SERVE
1978	MICHIGAN PLAZA COIN LNDRY	3823 W MICHIGAN ST	INDIANAPOLIS	IN	West	< 1/8	Higher	LAUNDRIES-SELF SERVE
1973	MICHIGAN PLAZA COIN LNDRY	3823 W MICHIGAN ST	INDIANAPOLIS	IN	West	< 1/8	Higher	LAUNDRIES-SELF SERVE
1990	AUTO HAUS INCORPORATED	3663 W MICHIGAN ST	INDIANAPOLIS	IN	East	1/8-1/4	Higher	Automobile Repairing
1980	AUTOHAUS CARL MERKLE INC	3663 W MICHIGAN ST	INDIANAPOLIS	IN	East	1/8-1/4	Higher	Automobile Repairing
1975	AUTOHAUS CARL MERKLE INC REAR	3663 W MICHIGAN ST	INDIANAPOLIS	IN	East	1/8-1/4	Higher	Automobile Repairing
1970	CARL S VOLKSWAGEN & PORSCHE REPAIR SHOP REAR, 3663 W MICHIGAN ST	3663 W MICHIGAN ST	INDIANAPOLIS	IN	East	1/8-1/4	Higher	Automobile Repairing

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
INDIANAPOLIS	1003870950	TENTH & LYNHURST DUMP	10TH ST AT LYNHURST ST	46222	CERC-NFRAP
INDIANAPOLIS	S105202373	DEERING CLEANERS	6137 SR 136		VCP
INDIANAPOLIS	S105202549	SHELL BULK TERMINAL/DREW PROPERTY	2121 / 2101 W. MICHIGAN ST.		VCP
INDIANAPOLIS	S105678278	MARATHON/ROCK ISLAND REFINERY AND TERMIN	86TH AND GEORGETOWN ROAD		SHWS
INDIANAPOLIS	99607866	BETWEEN 10TH AND MICHIGAN AT TIBBS	BETWEEN 10TH AND MICHIGAN AT TIBBS		ERNS
INDIANAPOLIS	94363834	EVANS DIVISION OF IL CEREAL MILLS 1750 WEST MICHIGAN	EVANS DIVISION OF IL CEREAL MILLS 1750 WEST MICHIGAN		ERNS
INDIANAPOLIS	93338675	GEORGTOWN SQUARE CENTER 4711 W. 30TH	GEORGTOWN SQUARE CENTER 4711 W. 30TH		ERNS
INDIANAPOLIS	S104825607	AVANTI	SOUTH HARRIS AVENUE		SHWS
INDIANAPOLIS	U000195108	INDIANA NATIONAL GUARD	HOLT RD		UST
INDIANAPOLIS	96478064	LILLY CORPORATE CENTER BLDG 25/46	LILLY CORPORATE CENTER BLDG 25/46		ERNS
INDIANAPOLIS	91239690	LILLY CORPORATE CENTER	LILLY CORPORATE CENTER		ERNS
INDIANAPOLIS	91204178	LILLY CORPORATE CENTER	LILLY CORPORATE CENTER		ERNS
INDIANAPOLIS	1008814506	GM METAL FABRICATING DIV. INDIANAPOLIS METAL CENTER	340 WHITE RIVER PKY.	46222	TRIS

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D005	BARIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D025	P-CRESOL
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F008	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F009	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
U002	ACETONE (I)

EPA Waste Codes Addendum

Code	Description
U002	2-PROPANONE (I)
U007	ACRYLAMIDE
U007	2-PROPENAMIDE
U044	CHLOROFORM
U044	METHANE, TRICHLORO-
U226	ETHANE, 1,1,1-TRICHLORO-
U226	METHYL CHLOROFORM
U239	BENZENE, DIMETHYL- (I,T)
U239	XYLENE (I)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/22/03

Date Made Active at EDR: 08/26/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/04/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 08/04/03

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 06/10/03

Date Made Active at EDR: 08/26/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/04/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 08/04/03

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/11/03

Date Made Active at EDR: 10/29/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/03

Elapsed ASTM days: 35

Date of Last EDR Contact: 09/24/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/03
Date Made Active at EDR: 10/29/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/03
Elapsed ASTM days: 35
Date of Last EDR Contact: 09/24/03

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/13/03
Date Made Active at EDR: 09/18/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/22/03
Elapsed ASTM days: 27
Date of Last EDR Contact: 09/08/03

RCRIS: Resource Conservation and Recovery Information System

Source: EPA
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/03
Date Made Active at EDR: 10/01/03
Database Release Frequency: Varies

Date of Data Arrival at EDR: 09/11/03
Elapsed ASTM days: 20
Date of Last EDR Contact: 09/11/03

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 10/27/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 10/01/03
Date of Next Scheduled EDR Contact: 12/15/03

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/09/03

Database Release Frequency: Annually

Date of Last EDR Contact: 10/08/03

Date of Next Scheduled EDR Contact: 01/05/04

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/22/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/04/03

Date of Next Scheduled EDR Contact: 11/03/03

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/25/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/03

Date of Next Scheduled EDR Contact: 01/05/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/03

Database Release Frequency: Annually

Date of Last EDR Contact: 10/23/03

Date of Next Scheduled EDR Contact: 01/19/04

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/16/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/03

Date of Next Scheduled EDR Contact: 01/05/04

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 08/27/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/01/03

Date of Next Scheduled EDR Contact: 12/29/03

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/25/03
Date of Next Scheduled EDR Contact: 11/24/03

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/30/03
Database Release Frequency: Annually

Date of Last EDR Contact: 08/13/03
Date of Next Scheduled EDR Contact: 11/10/03

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-648-5920

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/15/03
Date of Next Scheduled EDR Contact: 11/10/03

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/15/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/08/03
Date of Next Scheduled EDR Contact: 12/08/03

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 09/23/03
Date of Next Scheduled EDR Contact: 12/22/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 09/02/03

Date of Next Scheduled EDR Contact: 12/08/03

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 08/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03

Date of Next Scheduled EDR Contact: 12/22/03

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01

Database Release Frequency: Annually

Date of Last EDR Contact: 10/20/03

Date of Next Scheduled EDR Contact: 01/19/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03

Date of Next Scheduled EDR Contact: 12/22/03

STATE OF INDIANA ASTM STANDARD RECORDS

SHWS: List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

Source: Department of Environmental Management

Telephone: 317-308-3052

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/01/02

Date Made Active at EDR: 01/20/03

Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/06/03

Elapsed ASTM days: 14

Date of Last EDR Contact: 10/03/03

SWF/LF: Permitted Solid Waste Facilities

Source: Department of Environmental Management

Telephone: 317-232-0066

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/03
Date Made Active at EDR: 08/13/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/23/03
Elapsed ASTM days: 21
Date of Last EDR Contact: 10/15/03

LUST: Lust Leaking Underground Storage Tank List
Source: Department of Environmental Management
Telephone: 317-308-3008

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/24/03
Date Made Active at EDR: 10/09/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 10/01/03
Elapsed ASTM days: 8
Date of Last EDR Contact: 10/01/03

UST: Indiana Registered Underground Storage Tanks
Source: Department of Environmental Management
Telephone: 317-308-3008

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/24/03
Date Made Active at EDR: 10/16/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/01/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 10/01/03

VCP: Voluntary Remediation Program Site List
Source: Department of Environmental Management
Telephone: 317-234-0966

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 06/01/03
Date Made Active at EDR: 08/20/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/11/03
Elapsed ASTM days: 9
Date of Last EDR Contact: 08/11/03

STATE OF INDIANA ASTM SUPPLEMENTAL RECORDS

SPILLS: Spills Incidents
Source: Department of Environmental Management
Telephone: 317-308-3008

Date of Government Version: 09/24/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/01/03
Date of Next Scheduled EDR Contact: 12/29/03

BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities

Source: Office of Indiana State Chemist
Telephone: 765-494-0579
A listing of registered dry or liquid bulk fertilizer and pesticide storage facilities.

Date of Government Version: 09/17/03
Database Release Frequency: Varies

Date of Last EDR Contact: 09/15/03
Date of Next Scheduled EDR Contact: 12/15/03

EDR PROPRIETARY HISTORICAL DATABASES

EDR Historical Gas Station and Dry Cleaners: EDR has searched select national collections of business directories and has collected listings of potential dry cleaner and gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning and gas station/filling station/service station establishments. The categories reviewed included, but were not limited to: *gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, dry cleaner, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc.*

This information is meant to assist and complement environmental professionals in their conduct of environmental site assessments, and is not meant to be a substitute for a full historical investigation as defined in ASTM E1527. The information provided in this proprietary database may or may not be complete; i.e., the absence of a dry cleaner or gas station/filling station/service station site does not necessarily mean that such a site did not exist in the area covered by this report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

(A note on "dry cleaning" sites: it is not possible for EDR to differentiate between establishments that use PERC on-site as a cleaning solvent and sites that function simply as drop-off and pick-up locations or that are traditional wet cleaning/laundry facilities. Therefore, it is essential for environmental professionals to incorporate professional judgment in the evaluation of each site.)

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

Brownfields: Brownfields Site List

Source: Department of Environmental Management

Telephone: 317-233-2570

A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redevelopment is complicated due to the actual or perceived environmental contamination.

Date of Government Version: 10/07/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/30/03

Date of Next Scheduled EDR Contact: 12/29/03

VCP: Voluntary Remediation Program Site List

Source: Department of Environmental Management

Telephone: 317-234-0966

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 06/01/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/11/03

Date of Next Scheduled EDR Contact: 11/10/03

INST CONTROL: Sites with Restrictions

Source: Department of Environmental Management

Telephone: 317-232-8603

A listing of Comfort/Site Status Letter sites that have been issued with Institutional Controls.

Date of Government Version: 10/07/03

Database Release Frequency: Varies

Date of Last EDR Contact: 09/30/03

Date of Next Scheduled EDR Contact: 12/29/03

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: child Care Listing

Source: Family & Social Services Administration

Telephone: 317-232-4740

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MICHIGAN PLAZA SHOPPING CENTER
3800/3801-3823 W MICHIGAN ST
INDIANAPOLIS, IN 46222

TARGET PROPERTY COORDINATES

Latitude (North):	39.773579 - 39° 46' 24.9"
Longitude (West):	86.226387 - 86° 13' 35.0"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	566254.8
UTM Y (Meters):	4402704.0
Elevation:	715 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

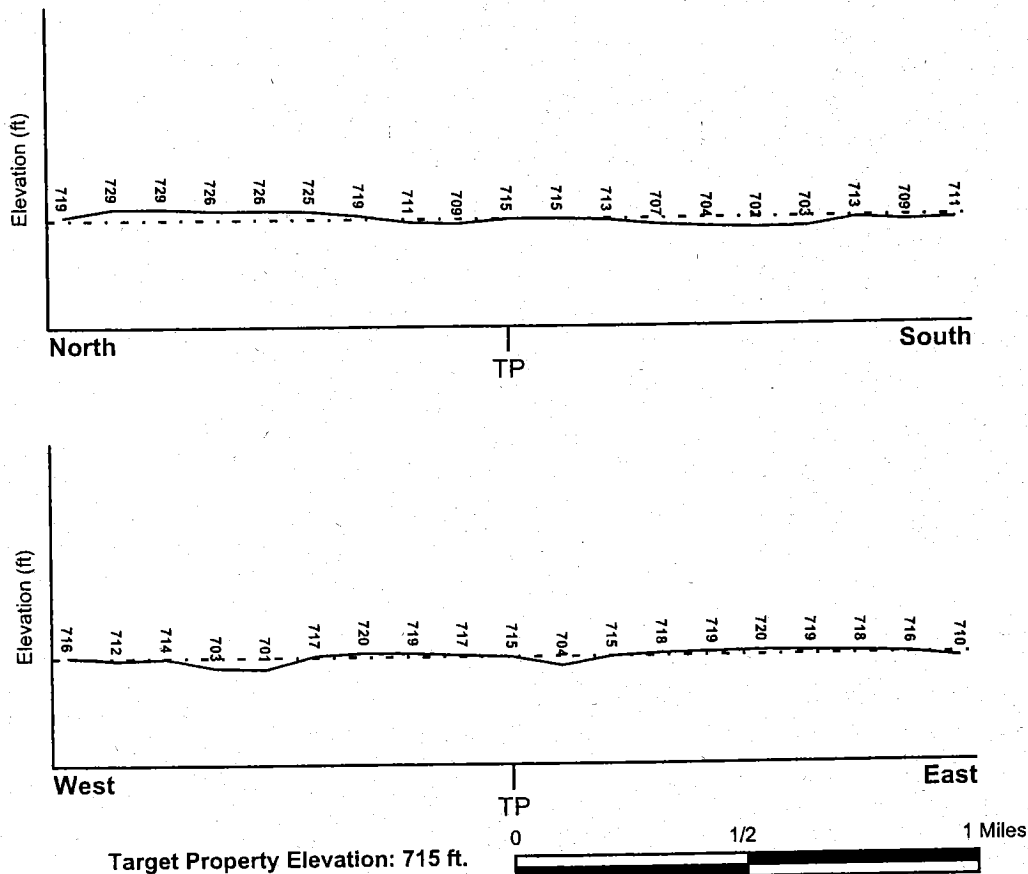
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 2439086-G2 INDIANAPOLIS WEST, IN
General Topographic Gradient: General ESE
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
MARION, IN

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

1801590050D

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
INDIANAPOLIS WEST

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
2	1/2 - 1 Mile ESE	SE
4	1/2 - 1 Mile East	SSE
7	1/2 - 1 Mile NE	S
9	1/2 - 1 Mile North	SSE
10	1/2 - 1 Mile WNW	E
11	1/2 - 1 Mile SSW	ENE
12	1/2 - 1 Mile NNW	S
13	1/2 - 1 Mile South	ENE
14	1/2 - 1 Mile South	SSE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Devonian
Series:	Middle Devonian
Code:	D2 (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	SAWMILL
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
Soil Drainage Class:	Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	17 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.10
2	17 inches	32 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.10
3	32 inches	58 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.10
4	58 inches	65 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 8.40 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loam
silty clay
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loam
silty clay
sandy loam
fine sandy loam

Shallow Soil Types: silt loam

Deeper Soil Types: stratified
silt loam
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS0260826	1/4 - 1/2 Mile North
3	USGS0260774	1/2 - 1 Mile NNE
5	USGS0260825	1/2 - 1 Mile ENE
6	USGS0260767	1/2 - 1 Mile SE
8	USGS0260765	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

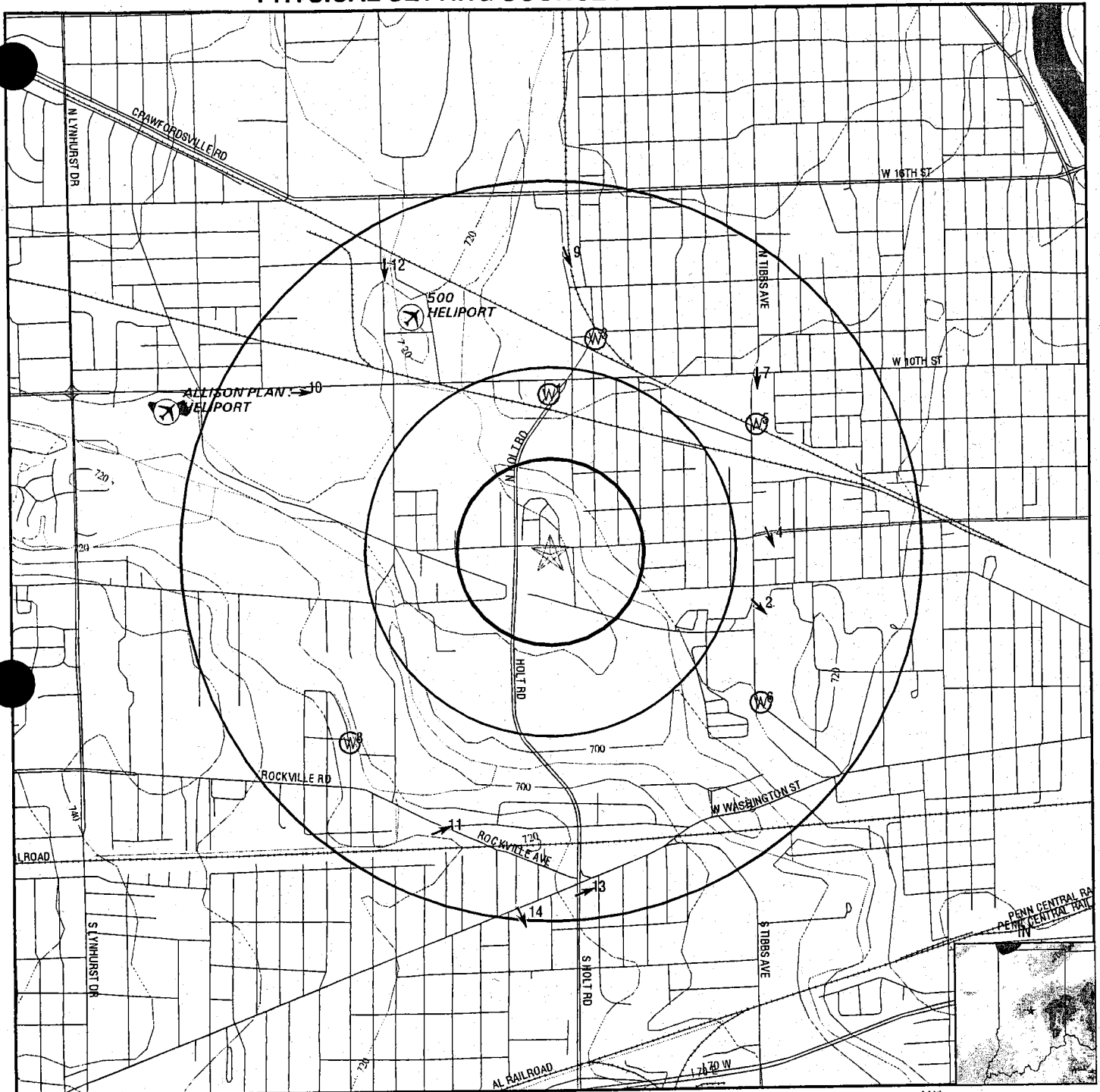
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 01073238.4r



County Boundary

Major Roads

Contour Lines

Airports

Earthquake epicenter, Richter 5 or greater

Water Wells

Public Water Supply Wells

Cluster of Multiple Icons

Groundwater Flow Direction

Indeterminate Groundwater Flow at Location

Groundwater Flow Varies at Location

TARGET PROPERTY: Michigan Plaza Shopping Center
ADDRESS: 3800/3801-3823 W Michigan St
CITY/STATE/ZIP: Indianapolis IN 46222
LAT/LONG: 39.7736 / 86.2264

CUSTOMER: Mundell & Associates, Inc
CONTACT: Leena Lothe
INQUIRY #: 01073238.4r
DATE: October 29, 2003 2:38 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1

North
1/4 - 1/2 Mile
Higher

FED USGS USGS0260826

Agency:	USGS	Site ID:	394647086133500
Site Name:	MARION COUNTY OBSERVATION WELL 70 AT INDNPLS IN		
Dec. Latitude:	39.77977		
Dec. Longitude:	-86.22638		
Coord Sys:	NAD83		
State:	IN		
County:	Marion County		
Altitude:	723.32		
Hydrologic code:	05120201		
Topographic:	Flood plain		
Site Type:	Ground-water other than Spring		
Const Date:	19740402	Inven Date:	19740402
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112OTWS		
Aquifer type:	Unconfined single aquifer		
Well depth:	23.6		
Hole depth:	25.0	Source:	D
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974-04-02	16.51	

2

ESE
1/2 - 1 Mile
Higher

Site ID:	6702
Groundwater Flow:	SE
Water Table Depth:	23.36-24.24
Date:	12/01/94

AQUIFLOW 4447

3

NNE
1/2 - 1 Mile
Higher

FED USGS USGS0260774

Agency:	USGS	Site ID:	394656086132901
Site Name:	NAWQA URBAN WELL FU7 AT INDIANAPOLIS		
Dec. Latitude:	39.78192		
Dec. Longitude:	-86.224		
Coord Sys:	NAD83		
State:	IN		
County:	Marion County		
Altitude:	727		
Hydrologic code:	05120201		
Topographic:	Alluvial or marine terrace		
Site Type:	Ground-water other than Spring		
Const Date:	19950525	Inven Date:	19950621
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110VLTR		
Aquifer type:	Unconfined single aquifer		
Well depth:	29		
Hole depth:	30	Source:	S
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel
1997-06-05	22.75	
1995-06-20	23.67	

Date	Feet below Surface	Feet to Sealevel
1996-07-11	22.05	

4 East 1/2 - 1 Mile Higher	Site ID:	7009			
	Groundwater Flow:	SSE			
	Water Table Depth:	24.23-26.47			
	Date:	08/01/97			
				AQUIFLOW	4466

5 ENE 1/2 - 1 Mile Higher				FED USGS	USGS0260825

Agency:	USGS	Site ID:	394642086125701
Site Name:	NAWQA URBAN WELL FU3 AT INDIANAPOLIS		
Dec. Latitude:	39.7785		
Dec. Longitude:	-86.21589		
Coord Sys:	NAD83		
State:	IN		
County:	Marion County		
Altitude:	720		
Hydrologic code:	05120201		
Topographic:	Alluvial or marine terrace		
Site Type:	Ground-water other than Spring		
Const Date:	19950525	Inven Date:	19950621
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	110VLTR		
Aquifer type:	Unconfined single aquifer		
Well depth:	29		
Hole depth:	30	Source:	S
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel
1997-06-05	20.6	
1995-07-24	22.77	

Date	Feet below Surface	Feet to Sealevel
1996-07-11	21.1	

6 SE 1/2 - 1 Mile Lower				FED USGS	USGS0260767

Agency:	USGS	Site ID:	394603086125700
Site Name:	MARION COUNTY OBSERVATION WELL 55 AT INDNPLS IN		
Dec. Latitude:	39.76754		
Dec. Longitude:	-86.21582		
Coord Sys:	NAD83		
State:	IN		
County:	Marion County		
Altitude:	723.71		
Hydrologic code:	05120201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19740310	Inven Date:	19740310
Well Type:	Single well, other than collector or Ranney type		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 112OTWS
 Aquifer type: Unconfined single aquifer
 Well depth: 39.6
 Hole depth: 40.0 Source: D
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

7 NE 1/2 - 1 Mile Higher
 Site ID: 1022
 Groundwater Flow: S
 Water Table Depth: 16.58-18.22
 Date: 09/01/90
 AQUIFLOW 4603

8 SW 1/2 - 1 Mile Lower
 FED USGS USGS0260765

Agency: USGS Site ID: 394558086141200
 Site Name: MARION COUNTY OBSERVATION WELL 71 AT INDNPLS IN
 Dec. Latitude: 39.76615
 Dec. Longitude: -86.23666
 Coord Sys: NAD83
 State: IN
 County: Marion County
 Altitude: 722.44
 Hydrologic code: 05120201
 Topographic: Not Reported
 Site Type: Ground-water other than Spring
 Const Date: 19740402 Inven Date: 19740402
 Well Type: Single well, other than collector or Ranney type
 Primary Aquifer: 112OTWS
 Aquifer type: Unconfined single aquifer
 Well depth: 25.4
 Hole depth: 25.4 Source: D
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

9 North 1/2 - 1 Mile Higher
 Site ID: 6840
 Groundwater Flow: SSE
 Water Table Depth: 14.44-21.80
 Date: 02/01/89
 AQUIFLOW 4459

10 WNW 1/2 - 1 Mile Higher
 Site ID: 1577
 Groundwater Flow: E
 Water Table Depth: 12.0-12.48
 Date: 09/01/90
 AQUIFLOW 4351

11 SSW 1/2 - 1 Mile Higher
 Site ID: 6704
 Groundwater Flow: ENE
 Water Table Depth: 14.56-21.48
 Date: 02/01/95
 AQUIFLOW 4449

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

12 NNW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Water Table Depth: Date:	6857 S 7.8-9.46 05/01/90	AQUIFLOW	4598
13 South 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Water Table Depth: Date:	1068 ENE 10.94-13.59 10/01/93	AQUIFLOW	4337
14 South 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Water Table Depth: Date:	18178 SSE AVG 13 08/01/93	AQUIFLOW	4543

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IN Radon

Radon Test Results

City	County	Zip	Result
INDIANAPOLIS	MARION	46222	7.699999809265137
INDIANAPOLIS	MARION	46222	2.5
INDIANAPOLIS	MARION	46222	5.800000190734863
INDIANAPOLIS	MARION	46222	0.899999976158142
INDIANAPOLIS	MARION	46222	0.699999988079071
INDIANAPOLIS	MARION	46222	6.5
INDIANAPOLIS	MARION	46222	1.799999952316284
INDIANAPOLIS	MARION	46222	14.30000019073486
INDIANAPOLIS	MARION	46222	5.900000095367432
INDIANAPOLIS	MARION	46222	8.899999618530273
INDIANAPOLIS	MARION	46222	5.5
INDIANAPOLIS	MARION	46222	6.199999809265137
INDIANAPOLIS	MARION	46222	11.19999980926514
INDIANAPOLIS	MARION	46222	7.5
INDIANAPOLIS	MARION	46222	2.599999904632568
INDIANAPOLIS	MARION	46222	7.900000095367432
INDIANAPOLIS	MARION	46222	3.799999952316284
INDIANAPOLIS	MARION	46222	17.29999923706055
INDIANAPOLIS	MARION	46222	2.299999952316284
INDIANAPOLIS	MARION	46222	4.900000095367432
INDIANAPOLIS	MARION	46222	1.200000047683716
INDIANAPOLIS	MARION	46222	4
INDIANAPOLIS	MARION	46222	6.300000190734863
INDIANAPOLIS	MARION	46222	4.300000190734863
INDIANAPOLIS	MARION	46222	7.5
INDIANAPOLIS	MARION	46222	11.80000019073486
INDIANAPOLIS	MARION	46222	0.400000005960465
INDIANAPOLIS	MARION	46222	4
INDIANAPOLIS	MARION	46222	7.300000190734863
INDIANAPOLIS	MARION	46222	0.300000011920929
INDIANAPOLIS	MARION	46222	5.300000190734863
INDIANAPOLIS	MARION	46222	7.900000095367432
INDIANAPOLIS	MARION	46222	0.899999976158142
INDIANAPOLIS	MARION	46222	5.599999904632568
INDIANAPOLIS	MARION	46222	5.300000190734863
INDIANAPOLIS	MARION	46222	5.599999904632568
INDIANAPOLIS	MARION	46222	4.099999904632568
INDIANAPOLIS	MARION	46222	1.600000023841858
INDIANAPOLIS	MARION	46222	7.599999904632568
INDIANAPOLIS	MARION	46222	13.19999980926514
INDIANAPOLIS	MARION	46222	8
INDIANAPOLIS	MARION	46222	11.10000038146973
INDIANAPOLIS	MARION	46222	16
INDIANAPOLIS	MARION	46222	10.30000019073486
INDIANAPOLIS	MARION	46222	9.5
INDIANAPOLIS	MARION	46222	6.5
INDIANAPOLIS			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	MARION	46222	7.300000190734863
INDIANAPOLIS	MARION	46222	21.29999923706055
INDIANAPOLIS	MARION	46222	3.700000047683716
INDIANAPOLIS	MARION	46222	1.899999976158142
INDIANAPOLIS	MARION	46222	8.199999809265137
INDIANAPOLIS	MARION	46222	2
INDIANAPOLIS	MARION	46222	1.200000047683716
INDIANAPOLIS	MARION	46222	8.899999618530273
INDIANAPOLIS	MARION	46222	8.300000190734863
INDIANAPOLIS	MARION	46222	6.5
INDIANAPOLIS	MARION	46222	8.100000381469727
INDIANAPOLIS	MARION	46222	6.400000095367432
INDIANAPOLIS	MARION	46222	6.599999904632568
INDIANAPOLIS	MARION	46222	6.199999809265137
INDIANAPOLIS	MARION	46222	4.5
INDIANAPOLIS	MARION	46222	1.799999952316284
INDIANAPOLIS	MARION	46222	3.700000047683716
INDIANAPOLIS	MARION	46222	5.5
INDIANAPOLIS	MARION	46222	5.5
INDIANAPOLIS	MARION	46222	17
INDIANAPOLIS	MARION	46222	4.400000095367432
INDIANAPOLIS	MARION	46222	7
INDIANAPOLIS	MARION	46222	24.39999961853027
INDIANAPOLIS	MARION	46222	11.89999961853027
INDIANAPOLIS	MARION	46222	0.600000023841858
INDIANAPOLIS	MARION	46222	3
INDIANAPOLIS	MARION	46222	16.29999923706055

Federal EPA Radon Zone for MARION County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 46222

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	5.100 pCi/L	0%	100%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	8.625 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water
Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water
Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Public Water Supply Wells

Source: Department of Environmental Management
Telephone: 317-308-3323
Community and non-community drinking water wells.

RADON

State Database: IN Radon

Source: Department of Health
Telephone: 317-233-7148
Radon Test Results

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

APPENDIX D

Marion County Health Department Records

APPENDIX D

Marion County Health Department Records



MARION COUNTY
HEALTH DEPARTMENT

Making a difference

November 4, 2003

Leena Lothe
Mundell & Associates, Inc
429 East Vermont Street, Suite 200
Indianapolis IN 46202 3688

RE: 3800 W Michigan Street
3800-3823 W Michigan Street
3819 W Michigan Street
700 N Olin

Dear Ms. Lothe,

Copies of the information from the files of the Marion County Health Department concerning the aforementioned properties were provided to you on November 4, 2003. This file search reflects only what is included in our department's file. We recommend you also contact other agencies involved with environmental and safety issues.

If you have any questions please feel free to contact me at (317) 221-2298.

Sincerely,

Adam Rickert, CHMM
Supervisor, Water Quality
Bureau of Environmental Health
Department of Water Quality and
Hazardous Materials Management

3838 NORTH RURAL STREET

INDIANAPOLIS, INDIANA 46205

TELEPHONE (317) 221-2000



Date May 05, 97
Time 12:30 PM

DEPARTMENT OF WATER QUALITY AND
HAZARDOUS MATERIALS MANAGEMENT
Division of Public Health
FIELD SHEET

R. _____
R. _____

Name or Description of Premises <u>Michigan Apt.</u>		Address <u>3800 W. Michigan St</u>	
Person Interviewed <u>Jerry Martin, property manager</u>	Phone <u>244-7201</u>	Person Legally Responsible <u>Mr. Campbell, Contractor - 241-5136</u>	Phone <u>Lori Sanders, Complainant - 486-9481</u>

I spoke with Jerry Martin, she said Michigan apts is on a 3 month cycle with Campbell's Exterminator Company 6134 Stanley rd. Indpls. IN, 46241

Jerry Martin called Mr. Campbell on the telephone, Mr. Campbell said all his technicians are certified pesticide applicators registered w/ State Chemist office. He also said that Building 10 (complainant's address) was treated with Diazinon, PT 250, PT 565+ on May 1st.

I drove to Building 10 (apt 1006) and spoke w/ Lori Sanders. Lori Sanders said she was notified before the spraying but she had her windows open on May 1st. I advised her that Mr. Campbell would be spraying again in August and I would be a good idea to close her windows during & possible sometime after spraying. I also said I could send her information on the chemicals used if she wanted, she said No. that she was moving this week to another address - She seemed satisfied w/ Health Dept response.

CHECK FOR PROPER FILING:

<input type="checkbox"/> child facility	<input type="checkbox"/> schools
<input type="checkbox"/> companies	<input type="checkbox"/> solid waste:
<input type="checkbox"/> ground water	<input type="checkbox"/> district # _____
<input type="checkbox"/> surface water	<input type="checkbox"/> infectious waste
<input type="checkbox"/> swimming pool	<input type="checkbox"/> CSO
<input type="checkbox"/> lift station	<input type="checkbox"/> UST
<input checked="" type="checkbox"/> miscellaneous	<input type="checkbox"/> NPDES
<input type="checkbox"/> other; specify: _____	<input type="checkbox"/> PIR; specify: _____

Check and Complete:

<input checked="" type="checkbox"/> complaint	<input type="checkbox"/> problem corrected
<input type="checkbox"/> unjustified complaint	<input type="checkbox"/> referred to: _____
<input type="checkbox"/> order issued	_____
<input type="checkbox"/> recheck: _____	<input type="checkbox"/> ready to file
_____ date _____	
<input type="checkbox"/> sample _____	
<input type="checkbox"/> field test _____	

BUREAU OF ENVIRONMENTAL HEALTH

DEPARTMENT OF WATER QUALITY AND HAZARDOUS MATERIALS MANAGEMENT

COMPLAINT FORM

5/5 PM

Census Tract _____

Date Complaint Taken 5/4/92 ^{A.M.} P.M.

District NORTHWEST

Date of Initial Response _____

Specialist's Name BOBBE VAN DEMARK

Form of Complaint: Phone _____ Letter _____ In Person ☒

Name of Person/Owner/Establishment Complained About 3800 W. MICHIGAN -

Address/Location Complained About _____

Description of Complaint (Use Complainant's Wording):

COMPLAINANT CONCERNED ABOUT SPRAYING OF WEEDS NEAR HER
APARTMENT.

called 10:45 left message on phone records

Complainant: LORI SANDERS 2nd fl. Phone 486-9481

Complainant's Address 3800 W. MICHIGAN, APT 1006

Referral From HOUSING Taken By: D. McCLURE

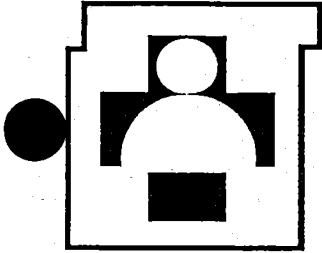
Action Taken: Justified ☒ Unjustified _____ Undetermined _____ Order Issued _____

See Inspection Narrative _____ Dated 05/05/92

Response made to Complainant Yes ☒ No _____

Name of Investigator BOBBE VAN DEMARK

(DWQHMM 4/87)



Marion
County
Health
Department

Department of Water Quality and
Hazardous Materials Management
3838 N. Rural Street
Indianapolis, Indiana 46205
(317) 541-2266

January 15, 1993

Mr. Erick Mahone
Michigan Apartments
Apartment #711
3800 W. Michigan Street
Indianapolis, IN 46222

Dear Mr. Mahone:

I am writing to confirm our phone conversation on January 7, 1993. On that day, I called Indiana University's Medical Center because I had information that linked you to the improper disposal of dialysis bags that you had used. The dialysis bags appeared to contain peritoneal fluid and were found in a dumpster at the Willow Lake Gardens Apartments. Members of my department's emergency response team were sent to that complaint.

During our conversation you admitted that you improperly disposed of the bags. Ms. Smith and I informed you about proper disposal of peritoneal fluid. You stated that you would retrieve the bags and properly dispose of the fluid.

I have verified that the dialysis bags were retrieved from the dumpster. I encourage you to continue to dispose of peritoneal fluid in an approved manner. This is easy to do since you can merely dispose of the fluid by emptying it in a toilet.

I am hopeful that you will continue to properly dispose of your peritoneal fluids. This will enable us to maintain a better environment and avoid the need for any enforcement action. If you have any questions about this, please call me at 541-2266.

Sincerely,

Dave McClure
Supervisor
BUREAU OF ENVIRONMENTAL HEALTH
Department of Water Quality and
Hazardous Materials Management

A Division of the Health and Hospital Corporation of Marion County

HOUSING COMPLAINT FORM

DATE: _____ FS: 55 CENSUS TRACT: 417 WTS: 19

VIOLATION ADDRESS: 3800 #1108 W Michigan St

VIOLATION REPORTED

need general inspection - sound like
water running - Bad odor / making
Tenant sick - * Burning

TRUSE: _____ MAC: _____ HOUSING: X EMERGENCY: _____ LEAD: _____

COMPLAINANT'S INFORMATION

NAME: Lena B Webster

ADDRESS: 3800 #1108 W Michigan St

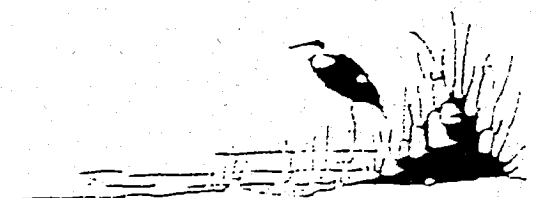
CITY/STATE: Indpls IN ZIP: 46222

PHONE: 317 486-1287

ADDITIONAL COMMENTS

Michigan apts LL
Rush

Jeff is this yours
 let me know, where
 to go with this one
 Please! Liz





Department of Water Quality
and Hazardous Materials Management
Division of Public Health

FIELD SHEET

MCHD Contacted by:

Name: P. Thurmon of _____

Date 6-14-96 Time 9:50 A.M.

Address: _____

Reported by:

Name: Lena Webster

Title: OCCUPANT

Company: _____

Address: 3800 W Michigan #1108

City/State/Zip: INDpls IN 46222

Telephone: 486-1287

Responsible Party:

Contact Person: Unknown

Title: _____

Company: _____

Address: _____

City/State/Zip: _____

Telephone: _____

Date & Time	3800 W. Michigan #1108
6-14-96	
9:50 A.M.	Met w/ Mrs Webster - she claimed maintenance dept at Apts put drain cleaner in all her drains last week - she had odor for 1 day or so.
	No odor today.
	She was concerned w/ lye from drain cleaner coming out of faucets when she bathed.
	She also was concerned + irritated w/ neighbor who constantly had water running - probably faulty toilet.
	I advised her to tell Apt. Management.
	complaint UNJUSTIFIED for odor/sickness.

Check for Proper Filing

- ☐ Companies
☐ CSO
☐ Groundwater
☐ Lift Station
☒ Miscellaneous
☐ Schools

- ☐ Solid Waste - specify: _____
☐ Surface Water - specify: _____
☐ NPDES
☐ Other: _____

Check and Complete

- ☐ Send to contact agency
☐ Send to reporting agency
☐ Send to: _____
☐ Referred to: _____
☐ Order issued
☐ Recheck date: _____
☒ Problem corrected
☐ Sample: _____
Specialist: W. Thurmon



Department of Water Quality
and Hazardous Materials Management
Division of Public Health

FIELD SHEET

MCHD Contacted by:

Name: Lena Webster of _____

Date 6/26/96 Time 8:05 pm

Address: 3800 W Michigan #1108

Reported by:

Name: Same

Title: _____

Company: _____

Address: _____

City/State/Zip: _____

Telephone: 486-1287

Responsible Party:

Contact Person: Unknown

Title: _____

Company: _____

Address: _____

City/State/Zip: _____

Telephone: _____

Date & Time	3800 W. Michigan #1108
6/26/96	
805 AM.	- Mrs Webster called claiming bad odor making her sick + glaze on new kitchen floor making her feet hot even with her shoes on
	- I observed only a slight odor sort of like Air Freshener or cleaner - closets were kind of musty / Animal-like
	Smell outside inside
	- Did TVA PID 0.30 0.90
	FIP 0.60 2.10
	Told Mrs. Webster I would have Lisa Caldwell call to set up 4-8 hr charcoal tube
	- Adult protective services is involved

Check for Proper Filing

☐ Companies
☐ CSO
☐ Groundwater
☐ Lift Station
☒ Miscellaneous
☐ Schools

☐ Solid Waste - specify: _____
☐ Surface Water - specify: _____
☐ NPDES
☐ Other: _____

Check and Complete

☐ Send to contact agency
☐ Send to reporting agency
☐ Send to: _____
☐ Order issued
☐ Recheck date: _____
☐ Problem corrected
☐ Sample: _____

Referred to: F. Caldwell

Specialist: W. Hussma

RE NTPH

Marion County Health Department
Department of Water Quality and
Hazardous Materials Management

FIELD SHEET

Response Address:	3800 W Michigan	Company Name:	
Response Date:	Tuesday January 22, 2002	Contact Person:	Myron Dokes
Response Time:	3:30 p.m.	Address:	
Copy to:		City/State/Zip:	
Field Notes:		Telephone:	240-4369, cp 432-8557

Sewage overflow from manhole at mobile home park. Manhole was on the bank of Little Eagle Creek and was flowing approximately 2 gallons a minute into the creek.

Spoke with Myron Dokes, mgr for the park, who said that the pump on their lift station was not working. The lift station was repaired by Friday January 25, 2002. Two new pumps were installed in the lift station. Myron also had the soil around the overflowing manhole dug-up. In compliance.

Facility Type (check one) <input type="checkbox"/> Child Care Facility (CF) <input type="checkbox"/> Commercial (CO) <input type="checkbox"/> Dry Cleaner (DC) <input type="checkbox"/> Refuse Processing (RP) <input checked="" type="checkbox"/> Residential (RE) <input type="checkbox"/> School (SC) <input type="checkbox"/> Solid Waste Disposal (SO) <input type="checkbox"/> Street (ST) <input type="checkbox"/> Surface Water (SU) <input type="checkbox"/> Swimming Pool (PO) <input type="checkbox"/> Vacant (VA) <input type="checkbox"/> Vehicle Maintenance (VM)	PILM Code (check all that apply) <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Ambient Air (AA) <input type="checkbox"/> Asbestos (AS) <input type="checkbox"/> BIO <input type="checkbox"/> CSO (CSO) <input type="checkbox"/> Fish Kill (FK) <input checked="" type="checkbox"/> General Public Health (GPH) <input type="checkbox"/> GW Contamination (GWC) <input type="checkbox"/> GW Sample (GWS) <input type="checkbox"/> Hazardous Material (HM) <input type="checkbox"/> Indoor Air Quality (IAQ) <input type="checkbox"/> Infectious Waste (IW) <input type="checkbox"/> Lift Station (LS) <input type="checkbox"/> Leaking UST (LUS) </div> <div style="width: 48%;"> <input type="checkbox"/> NPDES (NPD) <input type="checkbox"/> No Public Health (NPH) <input type="checkbox"/> Occupational Health (OH) <input type="checkbox"/> Radon (RA) <input type="checkbox"/> Septic System (SPT) <input type="checkbox"/> Soil Contamination (SLC) <input type="checkbox"/> Soil Sample (SLS) <input type="checkbox"/> Solid Waste (SLD) <input checked="" type="checkbox"/> Spill (SPL) <input type="checkbox"/> SW Contamination (SWC) <input type="checkbox"/> SW Sample (SWS) <input type="checkbox"/> UST </div> </div>	<input checked="" type="checkbox"/> Initial or <input type="checkbox"/> Recheck Recheck Date: _____ Referred to: _____ <input type="checkbox"/> Called Complainant/Notifier <input type="checkbox"/> NOV Issued <input checked="" type="checkbox"/> Compliance/Defect Corrected <input type="checkbox"/> Noncompliance Signature: <u>Adam Rickert</u> Adam Rickert
--	---	--

HAZARDOUS WASTE STORAGE AREA

Wt.

69	All waste stored in a secure location in sealed, leak-proof containers	5
70	All containers labeled "Hazardous Waste" or with similar words	4
71	Accumulation dates recorded on all hazardous waste containers	3
72	Small Quantity Generators: accumulate waste for ≤ 180 days	3
73	CESQG: store less than 2,200 lbs. of hazardous waste on-site	3
74	CESQG: use licensed waste hauler to transport hazardous waste or dispose of hazardous waste at Tox-Away Day	R

GENERAL WORK AREA

75	Connected to the sanitary sewer <i>OK</i>	5
76	IOSHA workplace poster displayed where all employees will see it	3
77	Emergency telephone numbers posted where they can be found	3
78	"Exit" signs posted and illuminated; "Not an Exit" signs posted	3
79	Aisles are clear for egress purposes	3
80	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
81	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
82	Work areas are clean and well lit	2
83	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
84	Recycling program in place for hangers and garment bags	R
85	Waste reduction program in place for packing materials and containers	R

DRY CLEANING EQUIPMENT

Wt.

86	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
87	Machine doors are kept closed except when loading and unloading	3
88	Dry cleaning equipment is free of leaks	5
89	Solvent mileage tracked (pounds of garments per gallon of perc)	R
90	Preventive maintenance program in place	R
91	Dry cleaning equipment efficiency is optimized	R
92	Wet cleaning used whenever possible	R
93	Transfer machines are being replaced	R
94	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R
95	Recover waste solvent using a still or muck cooker	R
96	Regenerate carbon adsorbers	R

ELECTRICAL

97	Openings in electrical enclosures and fittings closed with appropriate covers, plugs, or plates	3
98	Switches, receptacles, and junction boxes covered properly	3
99	Extension cords are not used as permanent wiring	3
100	All wiring is in good condition, including no fraying or deterioration or missing grounds	3
101	Flexible cords and cables are free of splices and taps	3
102	Circuit breakers and disconnecting switches labeled	3

*Wt: 5=Serious or top priority; 1=Minor or low priority; R=Recommendation only

Notes:

Does AAD need to take barrel?
 Exhaust fan in bathroom
 Hot water in bathroom
 Paper towels in bathrooms
 Label restroom door

*Send LC/TO Program

Z 319 091 436

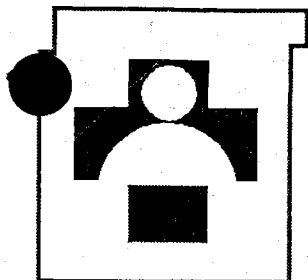


Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

PS Form 3800, March 1993

Sent to Owner	
Street and Charles Dodson	
P.O., State and ZIP Code 3819 W. Michigan Road Indianapolis, IN 46222	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	



**Marion
County
Health
Department**

3838 N. Rural St.
Indianapolis, Indiana 46205
(317) 541-2270

December 14, 1994

Owner
Charles Dodson
3819 W. Michigan Road
Indianapolis, IN 46222

Dear Sir or Madam:

An inspection was made of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST on December 12, 1994. You are hereby notified that the following observed defects are a violation of The Code, Chapters 19 and/or 20, of the Health and Hospital Corporation of Marion County. Each defect is followed by a suggested correction.

**Chapter &
Section**

Observed Defects and Suggested Corrections

20-401/
19-307

No written hazard communication program.

Establish a written hazard communication program that includes Material Safety Data Sheets for all the hazardous substances on-site, a list of those hazardous substances, a description of the proper labeling of containers, provisions for employee training on hazardous substances, and a list of non-routine tasks that involve hazardous substances. The sample hazard communication program that we previously sent to you can be used as a guide, but your plan must be specific for your plant.

19-307

No written hazardous energy program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

QANA

Chapter &
Section

19-307

Observed Defects and Suggested Corrections

No emergency action plan.

Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.

In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.

For employers with 10 employees or less, the emergency action plan does not need to be in writing, but it must be communicated orally to the employees. Employers with more than 10 employees must establish a written emergency action plan.

Perchloroethylene purchase receipts for last 12 months are not available.

Keep all perchloroethylene purchase receipts on-site for at least 12 months.

19-307

Annual running total of perchloroethylene consumption not available.

Calculate and record your annual running total of perchloroethylene consumption on the first working day of every month. For instance, on November 1, 1994, you should have added the number of gallons of perc you purchased between November 1, 1993 and November 1, 1994. If you have not kept track of your perc consumption, estimate it and note that it is estimated number.

19-307/
20-401

Written log of weekly or biweekly leak detection and repair program is not available.

Keep a written log of your weekly or biweekly leak detection and repair program on-site.

Repairs to dry cleaning equipment or machines have not been made within 24 hours of detection, or parts have not been ordered within 2 days of detection and repairs made within 5 days of receipt of those parts.

All repairs to dry cleaning equipment or machines must be made within 24 hours of detection, or parts ordered within 2 days of detection and repairs made within 5 days of receipt of those parts. Keep a written log of all repairs, including the date of repair.

19-307/
20-401

Hazardous waste manifests for last the three years are not available.

Provide hazardous waste manifests for the last three years.

Containers of hazardous substances are not labeled properly.

Label all containers of hazardous substances with the proper name and hazard warning. Retain the Department of Transportation labels and markings on all containers until the containers are sufficiently cleaned of residue.

19-307/
20-401

Spotters are not trained on the hazards of all the spotting solvents.

Train all spotters on the hazards of all the spotting solvents that they use. This should be a part of your written hazard communication program.

20-401

Accumulation dates are not recorded on containers of hazardous waste.

Record on all containers of hazardous waste the date when hazardous waste was first placed in that container.

Chapter &
Section

Observed Defects and Suggested Corrections

19-307

IOSHA workplace poster is not displayed in a prominent location where employees are likely to see it.

Display IOSHA workplace poster in a prominent location where employees are likely to see it.

19-307

Doorways are not marked or labeled properly.

Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT."

19-307

Missing, inadequate or defective guard(s) on chain(s), belt(s), gear(s) or fan blade(s).

Repair/replace all missing, defective or inadequate guards. All energized parts of equipment is to be guarded against contact by approved enclosures. All fan blades within 7 feet of the floor must be protected with a guard having openings no larger than 1/2 inch. All machinery guards must be secure and so arranged that they do not pose a hazard in their use.

Electric service equipment, outlets, fixtures, and wiring in poor repair as evidenced by missing enclosure covers (exposed wiring), missing cable clamps (where cables enter enclosures), or unprotected non-metallic sheathed cable.

Employ a qualified electrician to repair all electric service equipment, outlets, fixtures, and wiring to a condition in accordance with the National Electrical Code.

19-404/307

Extension cords are used as permanent wiring.

Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.

19-307

No exhaust fan in restroom.

19-307

Install exhaust fan in restroom.
No hot water in restroom.

19-307

Provide hot water in restroom.

No paper towels in restroom.

Provide paper towels in restroom.

Corrective actions must be completed by **January 16, 1995**. Any person affected by this notice may request a hearing on this matter. Such a request must be made in writing and received in our Legal Department (located at 3838 N. Rural St., Indianapolis, IN 46205) within 10 business days of the receipt of this notice. Your compliance with this Notice of Violation does not release you from your responsibility to comply with other applicable local, state, and federal regulations, nor does it imply that you are in compliance with all local, state, and federal regulations.

A list of recommendations are attached to this notice. Although these are not requirements, we urge you to consider each recommendation. If you have any questions, please call me at 541-2270.

Sincerely,



Gregory L. Spears
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

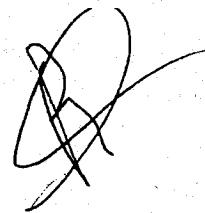
RECOMMENDATIONS

Following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the information we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

Track solvent mileage by dividing the total weight of garments cleaned per gallon of dry cleaning solvent consumed. An increase in solvent mileage indicates better efficiency. A decrease in solvent mileage may indicate a leak or other problems with your dry cleaning equipment.

Establish and maintain preventive maintenance schedule. Preventive maintenance can reduce the risk of spills, leaks, and down time, increase efficiency, and conserve resources. Regularly replace seals and gaskets, check air relief valves and exhaust ducts, clean lint screens, and keep button and lint traps closed.

Department of Water Quality
and Hazardous Materials Management
Division of Public Health



FIELD SHEET

Name or Description of Premises <i>Commercial</i>		Address <i>3819 W. Michigan St.</i>	
Person Interviewed <i>Chuck Dodson</i>	Phone	Person Legally Responsible <i>Chuck Dodson</i>	Phone

12/12/94
Date & Time
11:00 -
12:00

*Inspected dry cleaning facility with Paul
Gilson. Violations cited and recheck set on
Jan. 13, 1995.*

Check for proper filing

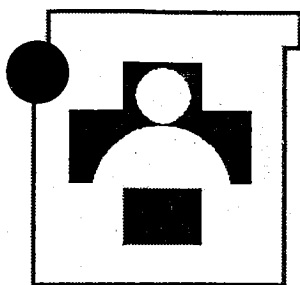
<input type="checkbox"/> child facility	<input type="checkbox"/> schools
<input type="checkbox"/> companies	<input type="checkbox"/> solid waste; district
<input type="checkbox"/> cso	<input type="checkbox"/> surface water; specify
<input type="checkbox"/> groundwater	<input type="checkbox"/> swimming pools
<input type="checkbox"/> lift station	<input type="checkbox"/> NPDES
<input type="checkbox"/> miscellaneous	<input checked="" type="checkbox"/> other; specify
<input type="checkbox"/> PIR; specify	<i>DRY CLEANERS</i>

Check & Complete

<input type="checkbox"/> complaint	<input type="checkbox"/> problem corrected
<input type="checkbox"/> unjustified complaint	<input type="checkbox"/> referred to:
<input type="checkbox"/> order issued	<input type="checkbox"/> return to:
<input checked="" type="checkbox"/> recheck <i>1-13-95</i>	
date	
<input type="checkbox"/> sample	

Specialist *Spand*

revised 4/92



**Marion
County
Health
Department**

3838 N. Rural St.
Indianapolis, Indiana 46205
(317) 541-2270

December 14, 1994

Owner
Charles Dodson
3819 W. Michigan Road
Indianapolis, IN 46222

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**Chapter &
Section**

Observed Defects and Suggested Corrections

20-401/
19-307

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Establish a written hazard communication program that includes Material Safety Data Sheets for all the hazardous substances on-site, a list of those hazardous substances, a description of the proper labeling of containers, provisions for employee training on hazardous substances, and a list of non-routine tasks that involve hazardous substances. The sample hazard communication program that we previously sent to you can be used as a guide, but your plan must be specific for your plant.

19-307

No written hazardous energy program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

**Chapter &
Section**

Observed Defects and Suggested Corrections

- 9-307 No emergency action plan.
- Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.
- In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.
- For employers with 10 employees or less, the emergency action plan does not need to be in writing, but it must be communicated orally to the employees. Employers with more than 10 employees must establish a written emergency action plan.
- 19-307 Perchloroethylene purchase receipts for last 12 months are not available.
- Keep all perchloroethylene purchase receipts on-site for at least 12 months.
- 19-307 Annual running total of perchloroethylene consumption not available.
- Calculate and record your annual running total of perchloroethylene consumption on the first working day of every month. For instance, on November 1, 1994, you should have added the number of gallons of perc you purchased between November 1, 1993 and November 1, 1994. If you have not kept track of your perc consumption, estimate it and note that it is estimated number.
- 19-307/
20-401 Written log of weekly or biweekly leak detection and repair program is not available.
- Keep a written log of your weekly or biweekly leak detection and repair program on-site.
- 19-307/
20-401 Repairs to dry cleaning equipment or machines have not been made within 24 hours of detection, or parts have not been ordered within 2 days of detection and repairs made within 5 days of receipt of those parts.
- All repairs to dry cleaning equipment or machines must be made within 24 hours of detection, or parts ordered within 2 days of detection and repairs made within 5 days of receipt of those parts. Keep a written log of all repairs, including the date of repair.
- 19-307/
20-401 Hazardous waste manifests for last the three years are not available.
- Provide hazardous waste manifests for the last three years.
- 20-401 Containers of hazardous substances are not labeled properly.
- Label all containers of hazardous substances with the proper name and hazard warning. Retain the Department of Transportation labels and markings on all containers until the containers are sufficiently cleaned of residue.
- 19-307/
20-401 Spotters are not trained on the hazards of all the spotting solvents.
- Train all spotters on the hazards of all the spotting solvents that they use. This should be a part of your written hazard communication program.
- 20-401 Accumulation dates are not recorded on containers of hazardous waste.
- Record on all containers of hazardous waste the date when hazardous waste was first placed in that container.

**Chapter &
Section**

Observed Defects and Suggested Corrections

- 19-307 IOSHA workplace poster is not displayed in a prominent location where employees are likely to see it.
- Display IOSHA workplace poster in a prominent location where employees are likely to see it.
- 19-307 Doorways are not marked or labeled properly.
- Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT."
- 19-307 Missing, inadequate or defective guard(s) on chain(s), belt(s), gear(s) or fan blade(s).
- Repair/replace all missing, defective or inadequate guards. All energized parts of equipment is to be guarded against contact by approved enclosures. All fan blades within 7 feet of the floor must be protected with a guard having openings no larger than 1/2 inch. All machinery guards must be secure and so arranged that they do not pose a hazard in their use.
- 19-404 Electric service equipment, outlets, fixtures, and wiring in poor repair as evidenced by missing enclosure covers (exposed wiring), missing cable clamps (where cables enter enclosures), or unprotected non-metallic sheathed cable.
- Employ a qualified electrician to repair all electric service equipment, outlets, fixtures, and wiring to a condition in accordance with the National Electrical Code.
- 19-404/307 Extension cords are used as permanent wiring.
- Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.
- 19-307 No exhaust fan in restroom.
- Install exhaust fan in restroom.
- 19-307 No hot water in restroom.
- Provide hot water in restroom.
- 19-307 No paper towels in restroom.
- Provide paper towels in restroom.

Corrective actions must be completed by **January 16, 1995**. Any person affected by this notice may request a hearing on this matter. Such a request must be made in writing and received in our Legal Department (located at 3838 N. Rural St., Indianapolis, IN 46205) within 10 business days of the receipt of this notice. Your compliance with this Notice of Violation does not release you from your responsibility to comply with other applicable local, state, and federal regulations, nor does it imply that you are in compliance with all local, state, and federal regulations.

A list of recommendations are attached to this notice. Although these are not requirements, we urge you to consider each recommendation. If you have any questions, please call me at 541-2270.

Sincerely,



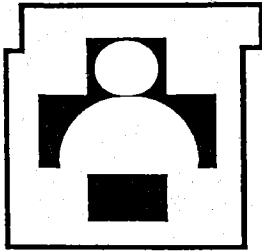
Gregory L. Spears
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

RECOMMENDATIONS

The following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the information we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

Track solvent mileage by dividing the total weight of garments cleaned per gallon of dry cleaning solvent consumed. An increase in solvent mileage indicates better efficiency. A decrease in solvent mileage may indicate a leak or other problems with your dry cleaning equipment.

Establish and maintain preventive maintenance schedule. Preventive maintenance can reduce the risk of spills, leaks, and down time, increase efficiency, and conserve resources. Regularly replace seals and gaskets, check air relief valves and exhaust ducts, clean lint screens, and keep button and lint traps closed.



Marion
County
Health
Department

*Department of Water Quality and
Hazardous Materials Management
3838 N. Rural Street
Indianapolis, Indiana 46205
(317) 541-2266*

December 23, 1994

Mr. Charles Dodson
Accent Dry Cleaners
3819 W. Michigan Rd.
Indianapolis, IN 46222

RE: Leak Detection and Repair Program

Dear Mr. Dodson:

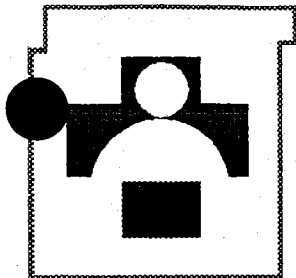
Here is a leak detection and repair program that you may implement at your facility. Included are instructions/information, a sample log, and actual logs to use at your facility.

If you have any questions please contact me at 541-2266.

Sincerely,

Gregory L. Spears
Environmental Health Specialist
Department of Water Quality and
Hazardous Materials Management
BUREAU OF ENVIRONMENTAL HEALTH

A Division of the Health and Hospital Corporation of Marion County



**Marion
County
Health
Department**

3838 N. Rural St.
Indianapolis, Indiana 46205
(317) 541-2270

July 14, 1995

Owner
Charles Dodson
3819 W. Michigan Road
Indianapolis, IN 46222

Dear Sir or Madam:

An inspection was made of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST on July 10, 1995 to verify compliance with the previously issued Notice of Violation. ACCENT DRY CLEANERS at 3819 W MICHIGAN ST is now in compliance with the Code of the Health and Hospital Corporation of Marion County. Your compliance with this Notice of Violation does not release you from your responsibility to comply with other applicable local, state, and federal regulations, nor does it imply that you are in compliance with all local, state, and federal regulations.

I appreciate your cooperation and your concern for public health, employee safety, and the environment. If you have any questions, please call me at 541-2270.

Sincerely,

Gregory L. Spears
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

P2
Survey
INFO.

RECOMMENDATIONS

The following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the guidance documents that we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

- ✓ Store all perchloroethylene containers so that they can be easily inspected daily for leaks or deterioration.

Provide secondary containment around all containers of hazardous materials, including drums of perchloroethylene and dry cleaning machines. If this is not feasible, provide floor drain covers or other spill containment equipment and keep it readily available.

Develop a spill plan to reduce loss and contamination during chemical spills. Train employees how to minimize losses and contamination during spills. Provide spill containment equipment and floor drain covers.
- ✓ Completely empty containers of hazardous materials before cleaning and disposal.
- ✓ Store all hazardous waste containers so that they can be easily inspected daily for leaks or deterioration.

Provide secondary containment around containers of hazardous waste. If this is not feasible, provide floor drain covers or other spill containment equipment and keep it readily available.
- ✓ Track solvent mileage by dividing the total weight of garments cleaned per gallon of dry cleaning solvent consumed. An increase in solvent mileage indicates better efficiency. A decrease in solvent mileage may indicate a leak or other problems with your dry cleaning equipment.

Establish and maintain preventive maintenance schedule. Preventive maintenance can reduce the risk of spills, leaks, and down time, increase efficiency, and conserve resources. Regularly replace seals and gaskets, check air relief valves and exhaust ducts, clean lint screens, and keep button and lint traps closed.
- ✓ Increase the use of wet cleaning to reduce your perchloroethylene consumption. Approximately 30% of garments brought to dry cleaners can be wet cleaned, which means you can reduce your perchloroethylene consumption by 30% and reduce your waste disposal costs.
- ✓ Keep all floors, machinery, aisles, and work areas clean and free of debris. Good housekeeping enables easier leak detection and minimizes contamination during spills.
- / Implement a program for recycling hangers and garment bags. Contact your supplier for assistance.

MARION COUNTY HEALTH DEPARTMENT: DRY CLEANER INSPECTION CHECKLIST

Establishment: ACCENT DRY CLEANERS
 Address: 3819 W. MICHIGAN RD.
 City/State/Zip: INDIANAPOLIS, IN. 46222
 Number: 8

Date: 1/17/95
 Contact: CHARLES DODSON
 Title: OWNER
 Inspector: SPARS

Reason: ☐ Initial (I) ☒ Recheck (R)
 Building: ☐ Free Standing (F) ☒ Attached Commercial (C)
☐ Attached Residential (R)

HAZARD COMMUNICATION PROGRAM

		Wt.
01	Written program available	3
02	Contains an MSDS for all hazardous substances on-site	1
03	Contains a list of all hazardous substances on-site	1
04	Indicates who is responsible for maintaining MSDSs	1
05	Explains the proper labeling of containers	1
06	Explains how to respond to non-routine tasks	1
07	Documents training of employees (recommended only)	R

WRITTEN RESPIRATOR PROGRAM

08	Personal air monitoring has been performed (required in plants with transfer machines, recommended for all others)	4
09	Written respirator program available (required if exposed to > 100 ppm TWA or > 200 ppm STEL or if respirators are on-site)	3
10	Explains the proper usage and limitations of respirators	1
11	Requires medical surveillance	1
12	Requires the use of NIOSH-approved respirators	1
13	Requires regular inspection and cleaning of respirators	1
14	Respirators are stored properly and are in good condition	1

WRITTEN EXPOSURE CONTROL PLAN

15	Written Exposure Control Plan available (required if employees handle laundry contaminated with bodily fluids)	3
16	Includes a copy of the standard and explains its contents	1
	Explains universal precautions	1
	Employees are trained on the symptoms of bloodborne diseases and modes of transmission	1
19	Explains the selection, use, location, handling and disposal of PPE	1
20	Hepatitis B vaccination provided to employees free of charge	1
21	Explains the procedure to follow if an exposure occurs	2
22	Describes the signs, labels, and color coding of infectious waste containers	1
23	Documents training of affected employees initially and annually	2

WRITTEN ENERGY CONTROL (LOCK-OUT/TAG-OUT) PROGRAM

24	Written lock-out/tag-out program available	3
25	Requires stored energy to be released or blocked before equipment is locked-out for repair	1
26	Requires employees to check the lock-out by attempting a start after lockout	1
27	Documents training of affected and authorized employees	1
28	Requires that employees can be identified by their locks and tags	1
29	Provides authorized employees with tags individually keyed locks	1
30	Requires authorized employees to keep possession of their individual keys during a lock-out procedure	1
31	Identifies safe procedure for machines that cannot be locked-out or tagged-out	1

EMERGENCY ACTION PLAN

Number of employees:

32	EAP available (oral if < 10 employees, written if ≥ 10 employees)	3
	Designates escape procedures and routes and employee accounting following an evacuation	1
34	Describes means of reporting emergencies and lists emergency phone numbers	1
35	Describes rescue and medical duties of employees	1
36	Addresses fires, chemical spills, tornadoes, blizzards, floods, and bomb threats	1
37	All employees trained at least once (documentation not required)	1

NESHAPS REQUIREMENTS

		Wt.
38	Perc purchase receipts for last 12 months available	4
39	Annual running total of perc consumption calculated: _____ gal/yr	3
40	# of dry cleaning machines: _____ Dry to dry _____ Transfer _____ Coin Op	
41	Source category: <input type="checkbox"/> Small area <input type="checkbox"/> Large area <input type="checkbox"/> Major	
42	Facility type: <input type="checkbox"/> New (on or after Dec 9, 1991) <input type="checkbox"/> Existing	
43	Sent "Initial Notification Reporting Requirements for Perc Dry Cleaning Facilities" form to the EPA or IDEM	2
44	Sent "Compliance Report for Pollution Prevention" to EPA or IDEM	2
45	Owners manuals for all dry cleaning equipment available	2
46	Written log of leak detection and repair program available (weekly for Existing Large Area Sources; biweekly for all others)	3
47	All repairs made within 24 hours, or parts ordered within 2 days and repairs made within 5 days of receipt of the parts	3

NEW SMALL AREA AND NEW LARGE AREA SOURCES

48	All new machines (manufactured after Dec 9, 1991) are closed-loop, refrigerated dry-to-dry machines	5
49	Records available of weekly measurements of the exhaust on the outlet side of all refrigerated condensers (must be ≤ 45° F)	3

EXISTING LARGE AREA SOURCES

50	Submitted "Compliance Report for Control Requirements" to EPA (not required until 10/23/96, but must comply with the following if they have submitted this report)	
51	If using a refrigerated condenser on a washer, records available of weekly measurements of the inlet and outlet side of the refrigerated condenser (difference must be at least 20° F)	3
52	If using a refrigerated condenser on a dry-to-dry machine, reclaimer, or dryer, records available of weekly measurements of the exhaust outlet temperature of all refrigerated condensers (must be ≤ 45° F)	3
53	If using a carbon adsorber, records available of weekly measurements of the concentration of perc in the carbon adsorber exhaust. Must be taken using a detector tube while the machine is venting to the carbon adsorber at the end of the last dry cleaning cycle prior to desorption (must be ≤ 100 ppm)	3

HAZARDOUS WASTE DISPOSAL

54	Generator status: <input type="checkbox"/> CESQG (< 220 lbs / month) <input type="checkbox"/> SQG (≥ 220 lbs / month, ≤ 2,200 lbs / month) <input type="checkbox"/> LQG (> 2,200 lbs / month) If CESQG, 55-58 are recommendations only	
55	EPA Identification number: _____	5
56	Waste manifests for last three years available	4
57	Licensed hazardous waste hauler used to transport waste	5
58	Contingency plan for waste-related emergencies, including 24 hour contact (not required to be in writing for CESQG or SQG)	3
59	CESQG: recommend complying with 55-58	R

PERCHLOROETHYLENE STORAGE AREA

60	All perc containers labeled with proper name and hazard warning	5
61	All perc stored indoors in closed, non-leaking containers	5
62	All perc containers stored in a manner to allow easy daily inspection	R
63	Secondary containment or floor drain covers provided	R
64	Spill plan in place to reduce loss and contamination during perc spills	R
65	Perc transferred using spigots or pumps from properly vented containers directly to machines	R
66	Containers emptied completely before cleaning or disposal	R
67	Volume of perc stored on-site is kept to a minimum	R

SPOTTING AREAS

68	All containers are labeled with proper name and hazard warning	5
(69)	All spotters are trained on the hazards of all spotting solvents	3

HAZARDOUS WASTE STORAGE AREA

Wt.

(70)	All waste stored in a secure location in sealed, leak-proof containers	5
	All containers labeled "Hazardous Waste" or with similar words	5
(72)	Accumulation dates recorded on all hazardous waste containers	4
73	Small Quantity Generators: accumulate waste for ≤ 180 days	3
74	All containers stored in a manner to allow easy daily inspection	R
75	Secondary containment or floor drain covers provided	R

DRY CLEANING EQUIPMENT

76	Dry cleaning machine(s) and equipment is free of leaks	5
77	Machine doors are kept closed except when loading and unloading	3
78	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
79	Solvent mileage tracked (pounds of garments per gallon of perc)	R
80	Preventive maintenance program in place	R
81	Dry cleaning equipment efficiency is optimized	R
82	Wet cleaning used whenever possible	R
83	Transfer machines are being replaced	R
84	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R
85	Recover waste solvent using a still or muck cooker	R

* Weight (Wt): 5-Most serious, correct these defects immediately; 3-Medium priority; 1-Lower priority, correct these defects after all others are corrected

GENERAL WORK AREA

Wt

86	Exhaust fan installed and operational in restroom(s)	3
(87)	Paper towels provided in restroom(s)	4
(88)	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
(90)	IOSHA workplace poster displayed where all employees will see it	3
(91)	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
(93)	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R

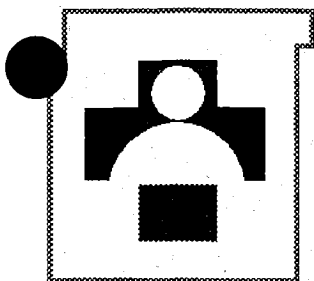
ELECTRICAL

99	Switches, receptacles, fittings, and junction boxes covered properly	3
(100)	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

Notes:

If you have questions, please call 541-2270 between 7:30 am and 5:00 pm and ask for your inspector.

Date: _____ ID: _____



**Marion
County
Health
Department**

3838 N. Rural St.
Indianapolis, Indiana 46205
(317) 541-2270

February 13, 1995

Certified Mail:

Owner
Charles Dodson
3819 W. Michigan Road
Indianapolis, IN 46222

DENA

Dear Sir or Madam:

Upon reinspection on January 17, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until March 03, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by March 03, 1995. Defects remaining to be corrected are:

**Chapter &
Section**

Observed Defects and Suggested Corrections

OK 20-401/
19-307

~~No written hazard communication program.~~

Establish a written hazard communication program that includes Material Safety Data Sheets for all the hazardous substances on-site, a list of those hazardous substances, a description of the proper labeling of containers, provisions for employee training on hazardous substances, and a list of non-routine tasks that involve hazardous substances. The sample hazard communication program that we previously sent to you can be used as a guide, but your plan must be specific for your plant.

19-307

No written hazardous energy control program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

Chapter &
Section

9-307

Observed Defects and Suggested Corrections

No emergency action plan.

Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.

In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.

For employers with 10 employees or less, the emergency action plan does not need to be in writing, but it must be communicated orally to the employees. Employers with more than 10 employees must establish a written emergency action plan.

19-307

~~Annual running total of perchloroethylene consumption not available.~~

Calculate and record your annual running total of perchloroethylene consumption on the first working day of every month. For instance, on November 1, 1994, you should have added the number of gallons of perc you purchased between November 1, 1993 and November 1, 1994. If you have not kept track of your perc consumption, estimate it and note that it is estimated number.

OK 19-307/
20-401

~~Written log of weekly or biweekly leak detection and repair program is not available.~~

Keep a written log of your weekly or biweekly leak detection and repair program on-site.

OK 19-307/
20-401

~~Hazardous waste manifests for last the three years are not available.~~

~~Provide hazardous waste manifests for the last three years.~~

(He only has manifest for
Period of time that he has
owned the facility.)

OK 19-307/
20-401

~~Spotters are not trained on the hazards of all the spotting solvents.~~

Train all spotters on the hazards of all the spotting solvents that they use. This should be a part of your written hazard communication program.

OK 19-307/
20-401

~~Accumulation dates are not recorded on containers of hazardous waste.~~

Record on all containers of hazardous waste the date when hazardous waste was first placed in that container.

OK 19-307

~~Restroom(s) does not have paper towels.~~

Provide paper towels in restroom(s).

OK 19-307

~~Hot water is not available in restroom(s).~~

Provide hot water in restroom(s). The temperature of the water should not exceed 120 degrees Fahrenheit.

19-307

IOSHA workplace poster is not displayed in a prominent location where employees are likely to see it.

Display IOSHA workplace poster in a prominent location where employees are likely to see it. To receive a free Job Safety and Health Protection Poster call the Bureau of Safety Education and Training at 232-6942.

Chapter &
Section

9-307

Observed Defects and Suggested Corrections

Doorways are not marked or labeled properly. *LANDLORD*

Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT."

OK
~~Missing, inadequate or defective guard(s) on chain(s), belt(s), gear(s) or fan blade(s).~~

Repair/replace all missing, defective or inadequate guards. All energized parts of equipment is to be guarded against contact by approved enclosures. All fan blades within 7 feet of the floor must be protected with a guard having openings no larger than 1/2 inch. All machinery guards must be secure and so arranged that they do not pose a hazard in their use.

19-404/307

Extension cords are used as permanent wiring.

Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.

Corrective actions must be completed by **March 03, 1995**. If you have any questions, please call me at 541-2270.

Sincerely,

Gregory L. Spears
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

MARION COUNTY HEALTH DEPARTMENT: DRY CLEANER INSPECTION CHECKLIST

Establishment: ACCENT DRY CLEANERS
 Address: 3819 W. MICHIGAN Rd.
 State/Zip: INDIAN IN. 46222
 Number: 8

Date: 3/6/95
 Contact: CHARLES DODSON
 Title: OWNER
 Inspector: SPEARS

Reason: ☐ Initial (I) ☒ Recheck (R)
 Building: ☐ Free Standing (F)
☒ Attached Commercial (C)
☐ Attached Residential (R)

HAZARD COMMUNICATION PROGRAM

		Wt.
01	Written program available	3
02	Contains an MSDS for all hazardous substances on-site	1
03	Contains a list of all hazardous substances on-site	1
04	Indicates who is responsible for maintaining MSDSs	1
05	Explains the proper labeling of containers	1
06	Explains how to respond to non-routine tasks	1
07	Documents training of employees (recommended only)	R

WRITTEN RESPIRATOR PROGRAM

08	Personal air monitoring has been performed (required in plants with transfer machines, recommended for all others)	4
09	Written respirator program available (required if exposed to > 100 ppm TWA or > 200 ppm STEL or if respirators are on-site)	3
10	Explains the proper usage and limitations of respirators	1
11	Requires medical surveillance	1
12	Requires the use of NIOSH-approved respirators	1
13	Requires regular inspection and cleaning of respirators	1
14	Respirators are stored properly and are in good condition	1

WRITTEN EXPOSURE CONTROL PLAN

15	Written Exposure Control Plan available (required if employees handle laundry contaminated with bodily fluids)	3
16	Includes a copy of the standard and explains its contents	1
	Explains universal precautions	1
	Employees are trained on the symptoms of bloodborne diseases and modes of transmission	1
19	Explains the selection, use, location, handling and disposal of PPE	1
20	Hepatitis B vaccination provided to employees free of charge	1
21	Explains the procedure to follow if an exposure occurs	2
22	Describes the signs, labels, and color coding of infectious waste containers	1
23	Documents training of affected employees initially and annually	2

WRITTEN ENERGY CONTROL (LOCK-OUT/TAG-OUT) PROGRAM

24	Written lock-out/tag-out program available	3
25	Requires stored energy to be released or blocked before equipment is locked-out for repair	1
26	Requires employees to check the lock-out by attempting a start after lockout	1
27	Documents training of affected and authorized employees	1
28	Requires that employees can be identified by their locks and tags	1
29	Provides authorized employees with tags individually keyed locks	1
30	Requires authorized employees to keep possession of their individual keys during a lock-out procedure	1
31	Identifies safe procedure for machines that cannot be locked-out or tagged-out	1

EMERGENCY ACTION PLAN

Number of employees: 2

32	EAP available (oral if < 10 employees, written if ≥ 10 employees)	3
	Designates escape procedures and routes and employee accounting following an evacuation	1
34	Describes means of reporting emergencies and lists emergency phone numbers	1
35	Describes rescue and medical duties of employees	1
36	Addresses fires, chemical spills, tornadoes, blizzards, floods, and bomb threats	1
37	All employees trained at least once (documentation not required)	1

NESHAPS REQUIREMENTS

		Wt.
38	Perc purchase receipts for last 12 months available	4
39	Annual running total of perc consumption calculated: _____ gal/yr	3
40	# of dry cleaning machines: _____ Dry to dry _____ Transfer _____ Coin Op	
41	Source category: <input type="checkbox"/> Small area <input type="checkbox"/> Large area <input type="checkbox"/> Major	
42	Facility type: <input type="checkbox"/> New (on or after Dec 9, 1991) <input type="checkbox"/> Existing	
43	Sent "Initial Notification Reporting Requirements for Perc Dry Cleaning Facilities" form to the EPA or IDEM	2
44	Sent "Compliance Report for Pollution Prevention" to EPA or IDEM	2
45	Owners manuals for all dry cleaning equipment available	2
46	Written log of leak detection and repair program available (weekly for Existing Large Area Sources; biweekly for all others)	3
47	All repairs made within 24 hours, or parts ordered within 2 days and repairs made within 5 days of receipt of the parts	3

NEW SMALL AREA AND NEW LARGE AREA SOURCES

48	All new machines (manufactured after Dec 9, 1991) are closed-loop, refrigerated dry-to-dry machines	5
49	Records available of weekly measurements of the exhaust on the outlet side of all refrigerated condensers (must be ≤ 45° F)	3

EXISTING LARGE AREA SOURCES

50	Submitted "Compliance Report for Control Requirements" to EPA (not required until 10/23/96, but must comply with the following if they have submitted this report)	
51	If using a refrigerated condenser on a washer, records available of weekly measurements of the inlet and outlet side of the refrigerated condenser (difference must be at least 20° F)	3
52	If using a refrigerated condenser on a dry-to-dry machine, reclaimer, or dryer, records available of weekly measurements of the exhaust outlet temperature of all refrigerated condensers (must be ≤ 45° F)	3
53	If using a carbon adsorber, records available of weekly measurements of the concentration of perc in the carbon adsorber exhaust. Must be taken using a detector tube while the machine is venting to the carbon adsorber at the end of the last dry cleaning cycle prior to desorption (must be ≤ 100 ppm)	3

HAZARDOUS WASTE DISPOSAL

54	Generator status: <input type="checkbox"/> CESQG (< 220 lbs / month) <input type="checkbox"/> SQG (≥ 220 lbs / month, ≤ 2,200 lbs / month) <input type="checkbox"/> LQG (> 2,200 lbs / month) If CESQG, 55-58 are recommendations only	
55	EPA Identification number: _____	5
56	Waste manifests for last three years available	4
57	Licensed hazardous waste hauler used to transport waste	5
58	Contingency plan for waste-related emergencies, including 24 hour contact (not required to be in writing for CESQG or SQG)	3
59	CESQG: recommend complying with 55-58	R

PERCHLOROETHYLENE STORAGE AREA

60	All perc containers labeled with proper name and hazard warning	5
61	All perc stored indoors in closed, non-leaking containers	5
62	All perc containers stored in a manner to allow easy daily inspection	R
63	Secondary containment or floor drain covers provided	R
64	Spill plan in place to reduce loss and contamination during perc spills	R
65	Perc transferred using spigots or pumps from properly vented containers directly to machines	R
66	Containers emptied completely before cleaning or disposal	R
67	Volume of perc stored on-site is kept to a minimum	R

SPOTTING AREAS

68	All containers are labeled with proper name and hazard warning	5
69	All spotters are trained on the hazards of all spotting solvents	3

HAZARDOUS WASTE STORAGE AREA

		Wt.
	All waste stored in a secure location in sealed, leak-proof containers	5
71	All containers labeled "Hazardous Waste" or with similar words	5
72	Accumulation dates recorded on all hazardous waste containers	4
73	Small Quantity Generators: accumulate waste for ≤ 180 days	3
74	All containers stored in a manner to allow easy daily inspection	R
75	Secondary containment or floor drain covers provided	R

DRY CLEANING EQUIPMENT

76	Dry cleaning machine(s) and equipment is free of leaks	5
77	Machine doors are kept closed except when loading and unloading	3
78	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
79	Solvent mileage tracked (pounds of garments per gallon of perc)	R
80	Preventive maintenance program in place	R
81	Dry cleaning equipment efficiency is optimized	R
82	Wet cleaning used whenever possible	R
83	Transfer machines are being replaced	R
84	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R
85	Recover waste solvent using a still or muck cooker	R

* Weight (Wt): 5-Most serious, correct these defects immediately; 3-Medium priority; 1-Lower priority, correct these defects after all others are corrected

GENERAL WORK AREA

		Wt.
86	Exhaust fan installed and operational in restroom(s)	3
87	Paper towels provided in restroom(s)	4
88	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
90	IOSHA workplace poster displayed where all employees will see it	3
91	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
93	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R

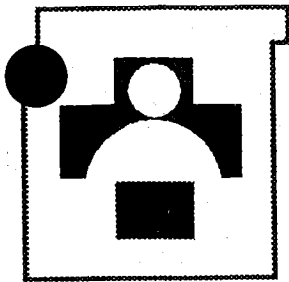
ELECTRICAL

99	Switches, receptacles, fittings, and junction boxes covered properly	3
100	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

es:

If you have questions, please call 541-2270 between 7:30 am and 5:00 pm and ask for your inspector.

Date: _____ ID: _____



**Marion
County
Health
Department**

3838 N. Rural St.
Indianapolis, Indiana 46205
(317) 541-2270

March 09, 1995

Certified Mail:

Owner
Charles Dodson
3819 W. Michigan Road
Indianapolis, IN 46222

Dear Sir or Madam:

Upon reinspection on March 06, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until April 11, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by April 11, 1995. Defects remaining to be corrected are:

**Chapter &
Section**

Observed Defects and Suggested Corrections

19-307

No written hazardous energy control program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or locked-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

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Chapter &
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19-307

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19-307

IOSHA workplace poster is not displayed in a prominent location where employees are likely to see it.

Display IOSHA workplace poster in a prominent location where employees are likely to see it. To receive a free Job Safety and Health Protection Poster call the Bureau of Safety Education and Training at 232-6942.

19-307

Doorways are not marked or labeled properly.

Mark exit(s) with an exit sign(s) that is lit by a reliable light source. Mark all doors which could be mistaken for an exit with a sign indicating its purpose or "NOT AN EXIT."

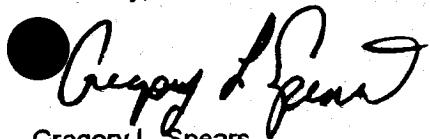
19-404/307

Extension cords are used as permanent wiring.

Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.

Corrective actions must be completed by April 11, 1995. If you have any questions, please call me at 541-2270.

Sincerely,

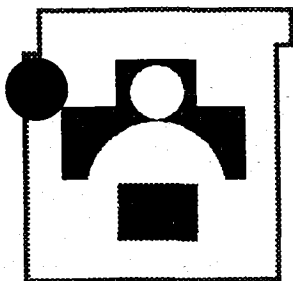


Gregory L. Spears
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health



RECOMMENDATIONS

The following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the guidance documents that we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.



**Marion
County
Health
Department**

3838 N. Rural St.
Indianapolis, Indiana 46205
(317) 541-2270

March 09, 1995

Certified Mail:

Owner
Charles Dodson
3819 W. Michigan Road
Indianapolis, IN 46222

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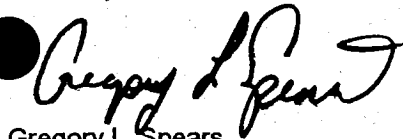
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Gregory L. Spears
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

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MARION COUNTY HEALTH DEPARTMENT: DRY CLEANER INSPECTION CHECKLIST

Establishment: ACCENT DRY CLEANERS
 Address: 3819 W. MICHIGAN RD.
 State/Zip: INDpls, IN. 46222
 ID Number: 8

Date: 4/18/95
 Contact: CHARLES ADDISON
 Title: OWNER
 Inspector: SPEARS

Reason: ☐ Initial (I) ☒ Recheck (R)
 Building: ☐ Free Standing (F) ☒ Attached Commercial (C)
☐ Attached Residential (R)

HAZARD COMMUNICATION PROGRAM

Wt.

01	Written program available	3
02	Contains an MSDS for all hazardous substances on-site	1
03	Contains a list of all hazardous substances on-site	1
04	Indicates who is responsible for maintaining MSDSs	1
05	Explains the proper labeling of containers	1
06	Explains how to respond to non-routine tasks	1
07	Documents training of employees (recommended only)	R

WRITTEN RESPIRATOR PROGRAM

08	Personal air monitoring has been performed (required in plants with transfer machines, recommended for all others)	4
09	Written respirator program available (required if exposed to > 100 ppm TWA or > 200 ppm STEL or if respirators are on-site)	3
10	Explains the proper usage and limitations of respirators	1
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WRITTEN EXPOSURE CONTROL PLAN

15	Written Exposure Control Plan available (required if employees handle laundry contaminated with bodily fluids)	3
	Includes a copy of the standard and explains its contents	1
	Explains universal precautions	1
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24	Written lock-out/tag-out program available	3
25	Requires stored energy to be released or blocked before equipment is locked-out for repair	1
26	Requires employees to check the lock-out by attempting a start after lockout	1
27	Documents training of affected and authorized employees	1
28	Requires that employees can be identified by their locks and tags	1
29	Provides authorized employees with tags individually keyed locks	1
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31	Identifies safe procedure for machines that cannot be locked-out or tagged-out	1

EMERGENCY ACTION PLAN

Number of employees:

32	EAP available (oral if < 10 employees, written if ≥ 10 employees)	3
	Designates escape procedures and routes and employee accounting following an evacuation	1
34	Describes means of reporting emergencies and lists emergency phone numbers	1
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NESHAPS REQUIREMENTS

Wt.

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41	Source category: <input type="checkbox"/> Small area <input type="checkbox"/> Large area <input type="checkbox"/> Major	
42	Facility type: <input type="checkbox"/> New (on or after Dec 9, 1991) <input type="checkbox"/> Existing	
43	Sent "Initial Notification Reporting Requirements for Perc Dry Cleaning Facilities" form to the EPA or IDEM	2
44	Sent "Compliance Report for Pollution Prevention" to EPA or IDEM	2
45	Owners manuals for all dry cleaning equipment available	2
46	Written log of leak detection and repair program available (weekly for Existing Large Area Sources; biweekly for all others)	3
47	All repairs made within 24 hours, or parts ordered within 2 days and repairs made within 5 days of receipt of the parts	3

NEW SMALL AREA AND NEW LARGE AREA SOURCES

48	All new machines (manufactured after Dec 9, 1991) are closed-loop, refrigerated dry-to-dry machines	5
49	Records available of weekly measurements of the exhaust on the outlet side of all refrigerated condensers (must be ≤ 45° F)	3

EXISTING LARGE AREA SOURCES

50	Submitted "Compliance Report for Control Requirements" to EPA (not required until 10/23/96, but must comply with the following if they have submitted this report)	
51	If using a refrigerated condenser on a washer, records available of weekly measurements of the inlet and outlet side of the refrigerated condenser (difference must be at least 20° F)	3
52	If using a refrigerated condenser on a dry-to-dry machine, reclaimer, or dryer, records available of weekly measurements of the exhaust outlet temperature of all refrigerated condensers (must be ≤ 45° F)	3
53	If using a carbon adsorber, records available of weekly measurements of the concentration of perc in the carbon adsorber exhaust. Must be taken using a detector tube while the machine is venting to the carbon adsorber at the end of the last dry cleaning cycle prior to desorption (must be ≤ 100 ppm)	3

HAZARDOUS WASTE DISPOSAL

54	Generator status: <input type="checkbox"/> CESQG (< 220 lbs / month) <input type="checkbox"/> SQG (≥ 220 lbs / month, ≤ 2,200 lbs / month) <input type="checkbox"/> LQG (> 2,200 lbs / month) If CESQG, 55-58 are recommendations only	
55	EPA Identification number: _____	5
56	Waste manifests for last three years available	4
57	Licensed hazardous waste hauler used to transport waste	5
58	Contingency plan for waste-related emergencies, including 24 hour contact (not required to be in writing for CESQG or SQG)	3
59	CESQG: recommend complying with 55-58	R

PERCHLOROETHYLENE STORAGE AREA

60	All perc containers labeled with proper name and hazard warning	5
61	All perc stored indoors in closed, non-leaking containers	5
62	All perc containers stored in a manner to allow easy daily inspection	R
63	Secondary containment or floor drain covers provided	R
64	Spill plan in place to reduce loss and contamination during perc spills	R
65	Perc transferred using spigots or pumps from properly vented containers directly to machines	R
66	Containers emptied completely before cleaning or disposal	R

SPOTTING AREAS

Wt.

68	All containers are labeled with proper name and hazard warning	5
69	All spotters are trained on the hazards of all spotting solvents	3

HAZARDOUS WASTE STORAGE AREA

	All waste stored in a secure location in sealed, leak-proof containers	5
71	All containers labeled "Hazardous Waste" or with similar words	5
72	Accumulation dates recorded on all hazardous waste containers	4
73	Small Quantity Generators: accumulate waste for ≤ 180 days	3
74	All containers stored in a manner to allow easy daily inspection	R
75	Secondary containment or floor drain covers provided	R

DRY CLEANING EQUIPMENT

76	Dry cleaning machine(s) and equipment is free of leaks	5
77	Machine doors are kept closed except when loading and unloading	3
78	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
79	Solvent mileage tracked (pounds of garments per gallon of perc)	R
80	Preventive maintenance program in place	R
81	Dry cleaning equipment efficiency is optimized	R
82	Wet cleaning used whenever possible	R
83	Transfer machines are being replaced	R
84	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R
85	Recover waste solvent using a still or muck cooker	R

* Weight (Wt): 5-Most serious, correct these defects immediately; 3-Medium priority; 1-Lower priority, correct these defects after all others are corrected

GENERAL WORK AREA

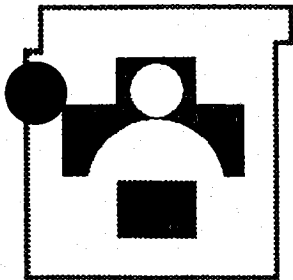
Wt.

86	Exhaust fan installed and operational in restroom(s)	3
87	Paper towels provided in restroom(s)	4
88	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
90	IOSHA workplace poster displayed where all employees will see it	3
91	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
93	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R

ELECTRICAL

99	Switches, receptacles, fittings, and junction boxes covered properly	3
100	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

es: * Please have circled items completed by next
Reinspection.



Marion County Health Department

3838 N. Rural St.
Indianapolis, Indiana 46205
(317) 541-2270

April 19, 1995

Owner
Charles Dodson
3819 W. Michigan Road
Indianapolis, IN 46222

Dear Sir or Madam:

Upon reinspection on April 18, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until May 22, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by May 22, 1995. Defects remaining to be corrected are:

Chapter & Section

Observed Defects and Suggested Corrections

19-307

No written hazardous energy control program (lock-out / tag-out).

All machinery or equipment is required to be de-energized or disengaged and blocked or lock d-out during cleaning, servicing, adjusting or setting up operations, whenever such work is required. Provide written instructions for all lock-out/tag-out procedures to your employees who use or service such machinery or equipment and document training of all affected and authorized personnel. Provide employees with individually keyed personal safety locks, and provide means to identify any or all employees who are working on locked-out equipment by their locks or accompanying tags. In the event that equipment or lines cannot be shut down, locked-out and tagged, ensure that a safe job procedure is established (written) and rigidly followed.

No emergency action plan.

Develop and implement an emergency action plan that includes escape procedures and routes employee accounting following an evacuation, rescue and medical duties, means of reporting emergencies, and persons to be contacted for information or clarification. The plan should address emergencies that the employer may reasonably expect in the workplace, including fires, chemical spills, tornadoes, blizzards, floods, and bomb threats.

In addition to training, the emergency action plan should address fire prevention, including a list of all major work place hazards, proper handling and storage combustible material, potential ignition sources, and type of fire equipment or systems to control a fire involving them, the names or job titles responsible for maintenance of equipment and ignition prevention or control systems, persons responsible for control of fuel source hazards, as well as housekeeping procedures to control accumulations of flammable and combustible waste materials and residues.

For employers with 10 employees or less, the emergency action plan does not need to be in writing, but it must be communicated orally to the employees. Employers with more than 10 employees must establish a written emergency action plan.

Observed Defects and Suggested Corrections

Annual running total of perchloroethylene consumption not available.

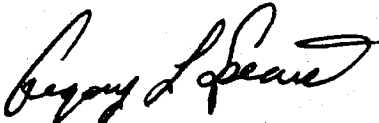
Calculate and record your annual running total of perchloroethylene consumption on the first working day of every month. For instance, on November 1, 1994, you should have added the number of gallons of perc you purchased between November 1, 1993 and November 1, 1994. If you have not kept track of your perc consumption, estimate it and note that it is estimated number.

Extension cords are used as permanent wiring.

Discontinue use of extension cords as permanent wiring. Appropriately wire fixtures or appliances or provide properly wired outlets to fixtures or appliances in accordance with the National Electrical Code.

Corrective actions must be completed by May 22, 1995. If you have any questions, please call me at 541-2270.

Sincerely,



Gregory L. Spears
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

Recommendations being used:

62, 66, 67, 74, 79, 80, 82, 84

RECOMMENDATIONS

The following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the guidance documents that we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

MARION COUNTY HEALTH DEPARTMENT: DRY CLEANER INSPECTION CHECKLIST

Establishment: ACCENT DRY CLEANERS
 Address: 3819 W. MICHIGAN ST.
 State/Zip: INDIANAPOLIS, IN. 46222
 ID Number: 8

Date: 5/30/95
 Contact: C. DODSON
 Title: OWNER
 Inspector: SPARS

Reason: ☐ Initial (I) ☒ Recheck (R)
 Building: ☐ Free Standing (F)
☒ Attached Commercial (C)
☐ Attached Residential (R)

HAZARD COMMUNICATION PROGRAM

Wt.

01	Written program available	3
02	Contains an MSDS for all hazardous substances on-site	1
03	Contains a list of all hazardous substances on-site	1
04	Indicates who is responsible for maintaining MSDSs	1
05	Explains the proper labeling of containers	1
06	Explains how to respond to non-routine tasks	1
07	Documents training of employees (recommended only)	R

WRITTEN RESPIRATOR PROGRAM

08	Personal air monitoring has been performed (required in plants with transfer machines, recommended for all others)	4
09	Written respirator program available (required if exposed to > 100 ppm TWA or > 200 ppm STEL or if respirators are on-site)	3
10	Explains the proper usage and limitations of respirators	1
11	Requires medical surveillance	1
12	Requires the use of NIOSH-approved respirators	1
13	Requires regular inspection and cleaning of respirators	1
14	Respirators are stored properly and are in good condition	1

WRITTEN EXPOSURE CONTROL PLAN

15	Written Exposure Control Plan available (required if employees handle laundry contaminated with bodily fluids)	3
	Includes a copy of the standard and explains its contents	1
	Explains universal precautions	1
18	Employees are trained on the symptoms of bloodborne diseases and modes of transmission	1
19	Explains the selection, use, location, handling and disposal of PPE	1
20	Hepatitis B vaccination provided to employees free of charge	1
21	Explains the procedure to follow if an exposure occurs	2
22	Describes the signs, labels, and color coding of infectious waste containers	1
23	Documents training of affected employees initially and annually	2

WRITTEN ENERGY CONTROL (LOCK-OUT/TAG-OUT) PROGRAM

24	Written lock-out/tag-out program available	3
25	Requires stored energy to be released or blocked before equipment is locked-out for repair	1
26	Requires employees to check the lock-out by attempting a start after lockout	1
27	Documents training of affected and authorized employees	1
28	Requires that employees can be identified by their locks and tags	1
29	Provides authorized employees with tags individually keyed locks	1
30	Requires authorized employees to keep possession of their individual keys during a lock-out procedure	1
31	Identifies safe procedure for machines that cannot be locked-out or tagged-out	1

EMERGENCY ACTION PLAN

Number of employees:

32	EAP available (oral if < 10 employees, written if ≥ 10 employees)	3
	Designates escape procedures and routes and employee accounting following an evacuation	1
34	Describes means of reporting emergencies and lists emergency phone numbers	1
35	Describes rescue and medical duties of employees	1
36	Addresses fires, chemical spills, tornadoes, blizzards, floods, and bomb threats	1

NESHAPS REQUIREMENTS

Wt.

38	Perc purchase receipts for last 12 months available	4
39	Annual running total of perc consumption calculated: _____ gal/yr	3
40	# of dry cleaning machines: _____ Dry to dry _____ Transfer _____ Coin Op	
41	Source category: <input type="checkbox"/> Small area <input type="checkbox"/> Large area <input type="checkbox"/> Major	
42	Facility type: <input type="checkbox"/> New (on or after Dec 9, 1991) <input type="checkbox"/> Existing	
43	Sent "Initial Notification Reporting Requirements for Perc Dry Cleaning Facilities" form to the EPA or IDEM	2
44	Sent "Compliance Report for Pollution Prevention" to EPA or IDEM	2
45	Owners manuals for all dry cleaning equipment available	2
46	Written log of leak detection and repair program available (weekly for Existing Large Area Sources; biweekly for all others)	3
47	All repairs made within 24 hours, or parts ordered within 2 days and repairs made within 5 days of receipt of the parts	3

NEW SMALL AREA AND NEW LARGE AREA SOURCES

48	All new machines (manufactured after Dec 9, 1991) are closed-loop, refrigerated dry-to-dry machines	5
49	Records available of weekly measurements of the exhaust on the outlet side of all refrigerated condensers (must be ≤ 45°F)	3

EXISTING LARGE AREA SOURCES

50	Submitted "Compliance Report for Control Requirements" to EPA (not required until 10/23/96, but must comply with the following if they have submitted this report)	
51	If using a refrigerated condenser on a washer, records available of weekly measurements of the inlet and outlet side of the refrigerated condenser (difference must be at least 20°F)	3
52	If using a refrigerated condenser on a dry-to-dry machine, reclaimer, or dryer, records available of weekly measurements of the exhaust outlet temperature of all refrigerated condensers (must be ≤ 45°F)	3
53	If using a carbon adsorber, records available of weekly measurements of the concentration of perc in the carbon adsorber exhaust. Must be taken using a detector tube while the machine is venting to the carbon adsorber at the end of the last dry cleaning cycle prior to desorption (must be ≤ 100 ppm)	3

HAZARDOUS WASTE DISPOSAL

54	Generator status: <input type="checkbox"/> CESQG (< 220 lbs / month) <input type="checkbox"/> SQG (≥ 220 lbs / month, ≤ 2,200 lbs / month) <input type="checkbox"/> LQG (> 2,200 lbs / month) If CESQG, 55-58 are recommendations only	
55	EPA Identification number: _____	5
56	Waste manifests for last three years available	4
57	Licensed hazardous waste hauler used to transport waste	5
58	Contingency plan for waste-related emergencies, including 24 hour contact (not required to be in writing for CESQG or SQG)	3
59	CESQG: recommend complying with 55-58	R

PERCHLOROETHYLENE STORAGE AREA

60	All perc containers labeled with proper name and hazard warning	5
61	All perc stored indoors in closed, non-leaking containers	5
62	All perc containers stored in a manner to allow easy daily inspection	R
63	Secondary containment or floor drain covers provided	R
64	Spill plan in place to reduce loss and contamination during perc spills	R
65	Perc transferred using spigots or pumps from properly vented containers directly to machines	R
66	Containers emptied completely before cleaning or disposal	R

SPOTTING AREAS

Wt.

68	All containers are labeled with proper name and hazard warning	5
69	All spotters are trained on the hazards of all spotting solvents	3

HAZARDOUS WASTE STORAGE AREA

70	All waste stored in a secure location in sealed, leak-proof containers	5
71	All containers labeled "Hazardous Waste" or with similar words	5
72	Accumulation dates recorded on all hazardous waste containers	4
73	Small Quantity Generators: accumulate waste for ≤ 180 days	3
74	All containers stored in a manner to allow easy daily inspection	R
75	Secondary containment or floor drain covers provided	R

DRY CLEANING EQUIPMENT

76	Dry cleaning machine(s) and equipment is free of leaks	5
77	Machine doors are kept closed except when loading and unloading	3
78	Cartridge filters are drained in their housings or a sealed container for at least 24 hours	4
79	Solvent mileage tracked (pounds of garments per gallon of perc)	R
80	Preventive maintenance program in place	R
81	Dry cleaning equipment efficiency is optimized	R
82	Wet cleaning used whenever possible	R
83	Transfer machines are being replaced	R
84	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R
85	Recover waste solvent using a still or muck cooker	R

* Weight (Wt): 5-Most serious, correct these defects immediately; 3-Medium priority; 1-Lower priority, correct these defects after all others are corrected

GENERAL WORK AREA

Wt.

86	Exhaust fan installed and operational in restroom(s)	3
87	Paper towels provided in restroom(s)	4
88	Hot water available in restroom(s)	4
89	Connected to the sanitary sewer	5
90	IOSHA workplace poster displayed where all employees will see it	3
91	"Exit" signs posted and illuminated; "Not an Exit" signs posted	2
92	Aisles are clear for egress purposes	4
93	All moving chains, belts, gears, and fan blades within 7 feet of the working level are properly guarded	4
94	Steam pipes are insulated or labeled properly	4
95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R

ELECTRICAL

99	Switches, receptacles, fittings, and junction boxes covered properly	3
100	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

es: These P² recommendations are already being implemented
at the facility:

62

66

67

74

79

80

82

84

I will recommend others @ next reinspection.

MARION COUNTY HEALTH DEPARTMENT: DRY CLEANER INSPECTION CHECKLIST

Establishment: ACCENT DRY CLEANERS
 Address: 3819 W. MICAGAN ST
 State/Zip: INDIAN IN. 46222
 ID Number: 8

Date: 7/10/95
 Contact: C. Dodson
 Title: OWNER
 Inspector: SPRAME

Reason: ☐ Initial (I) ☒ Recheck (R)
 Building: ☐ Free Standing (F)
☒ Attached Commercial (C)
☐ Attached Residential (R)

HAZARD COMMUNICATION PROGRAM

Wt.

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Wt.

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80	Preventive maintenance program in place	R
81	Dry cleaning equipment efficiency is optimized	R
82	Wet cleaning used whenever possible	R
83	Transfer machines are being replaced	R
84	Recovering solvent vapors using carbon adsorbers or refrigerated condensers	R
85	Recover waste solvent using a still or muck cooker	R

* Weight (Wt): 5-Most serious, correct these defects immediately; 3-Medium priority; 1-Lower priority, correct these defects after all others are corrected

GENERAL WORK AREA

Wt.

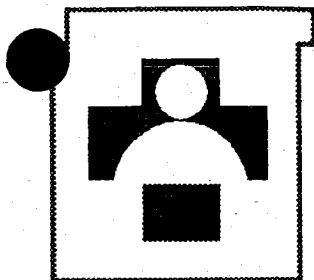
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95	Fire extinguishers mounted properly, serviced annually and marked accordingly	3
96	Work areas are clean and well lit	2
97	Good housekeeping is employed to allow easier detection of leaks and prevent additional contamination during spills	R
98	Recycling program in place for hangers and garment bags	R

ELECTRICAL

99	Switches, receptacles, fittings, and junction boxes covered properly	3
100	Extension cords are not used as permanent wiring	3
101	All receptacles are grounded or appliance wiring is double insulated	3
102	All appliance cords are grounded cords or double insulated	3
103	All wiring is in good condition, including no fraying or deterioration	3
104	Flexible cords and cables are free of splices and taps	3
105	Circuit breakers and disconnecting switches labeled	3

es: Compliance Reached

Recommendations : 62-64, 66, 74, 75, 79, 80, 82, 97, 98.



**Marion
County
Health
Department**

3838 N. Rural St.
Indianapolis, Indiana 46205
(317) 541-2270

June 07, 1995

Owner
Charles Dodson
3819 W. Michigan Road
Indianapolis, IN 46222

Dear Sir or Madam:

Upon reinspection on May 30, 1995 of ACCENT DRY CLEANERS located at 3819 W MICHIGAN ST it was determined that complete compliance with the initial Notice of Violation has not been attained. Therefore, an extension of time has been granted until July 11, 1995 to comply with the initial Notice of Violation. Further extensions may not be granted if significant progress has not been made by July 11, 1995. Defects remaining to be corrected are:

**Chapter &
Section**

Observed Defects and Suggested Corrections

- | | |
|--------|--|
| 19-307 | Hazardous energy program (lock-out / tag-out) does not require that authorized employees can be identified by their own locks and tags.

Require in your hazardous energy program that authorized employees can be identified by their own locks and tags. |
| 19-307 | Hazardous energy program (lock-out / tag-out) does not provide authorized employees with tags and/or individually keyed locks.

Provide authorized employees with tags and/or individually keyed locks. |

Corrective actions must be completed by July 11, 1995. If you have any questions, please call me at 541-2270.

Sincerely,

Gregory L. Spears
Environmental Health Specialist III
Department of Water Quality and
Hazardous Materials Management
Bureau of Environmental Health

RECOMMENDATIONS

The following are recommendations as part of our pollution prevention program. Although you are not required to implement any of these opportunities, we recommend you consider all of them. More detailed information is included in the guidance documents that we sent to you during the initial mailing. If you have questions about any of these recommendations, please call me at 541-2270 for more information.

GENERAL MOTORS CORPORATION
ALLISON PLANT 10
MEETING DISCUSSION ITEMS

- 1) BACKGROUND
 - Prior to 1974
 - GM purchases property for use as warehouse for excess equipment
 - GM sells property
 - Removal action
- 2) REMEDIAL INVESTIGATION
 - Physical setting
 - Groundwater use and flow direction
 - Soil analytical results
 - Groundwater analytical results
 - Additional investigation
- 3) FEASIBILITY STUDY
 - Primary alternatives considered
 - Pump and Treat, and SVE
 - Air sparging and SVE
 - Pilot Study
- 4) REMEDIAL DESIGN AND IMPLEMENTATION

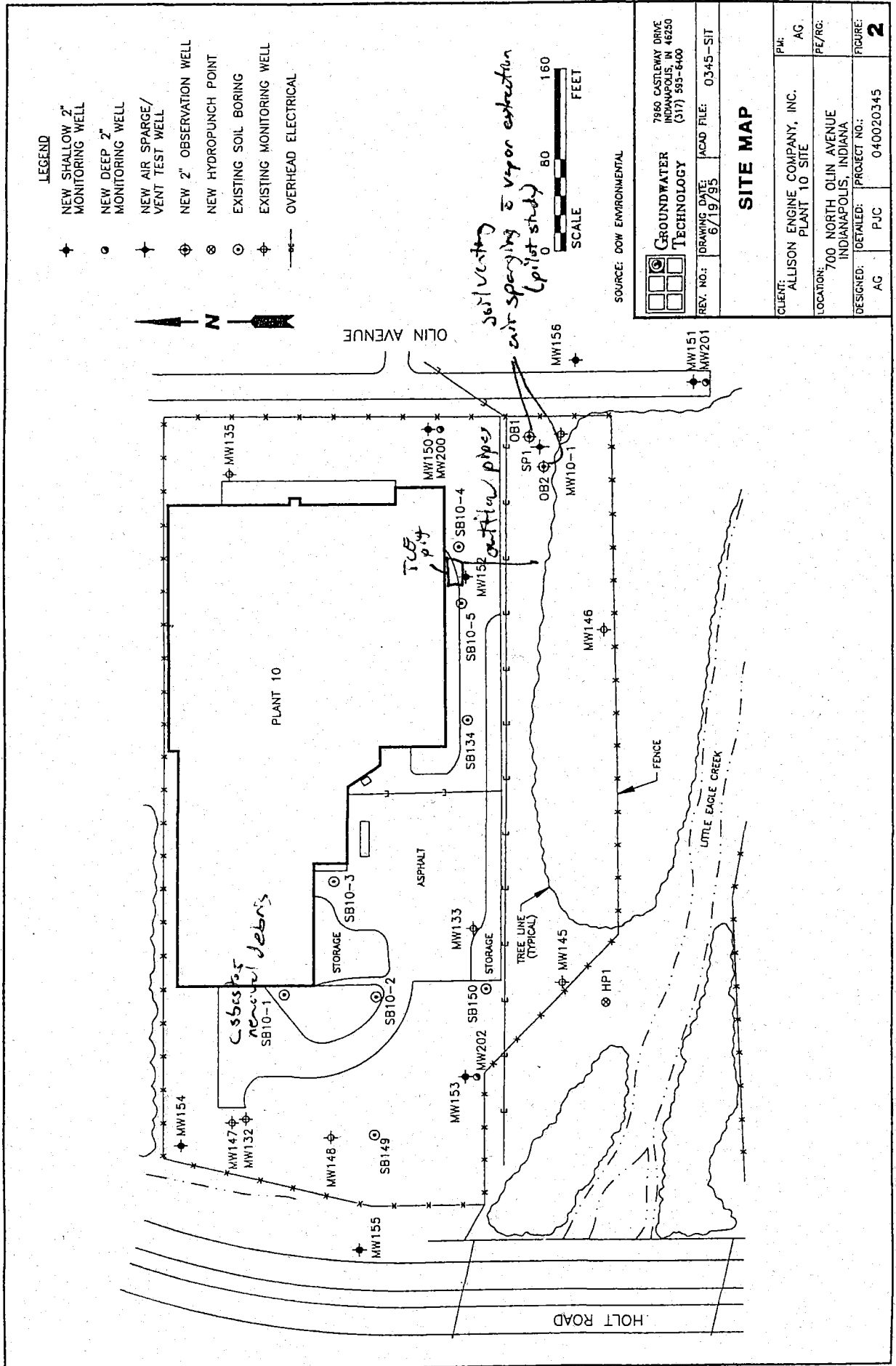
File under:

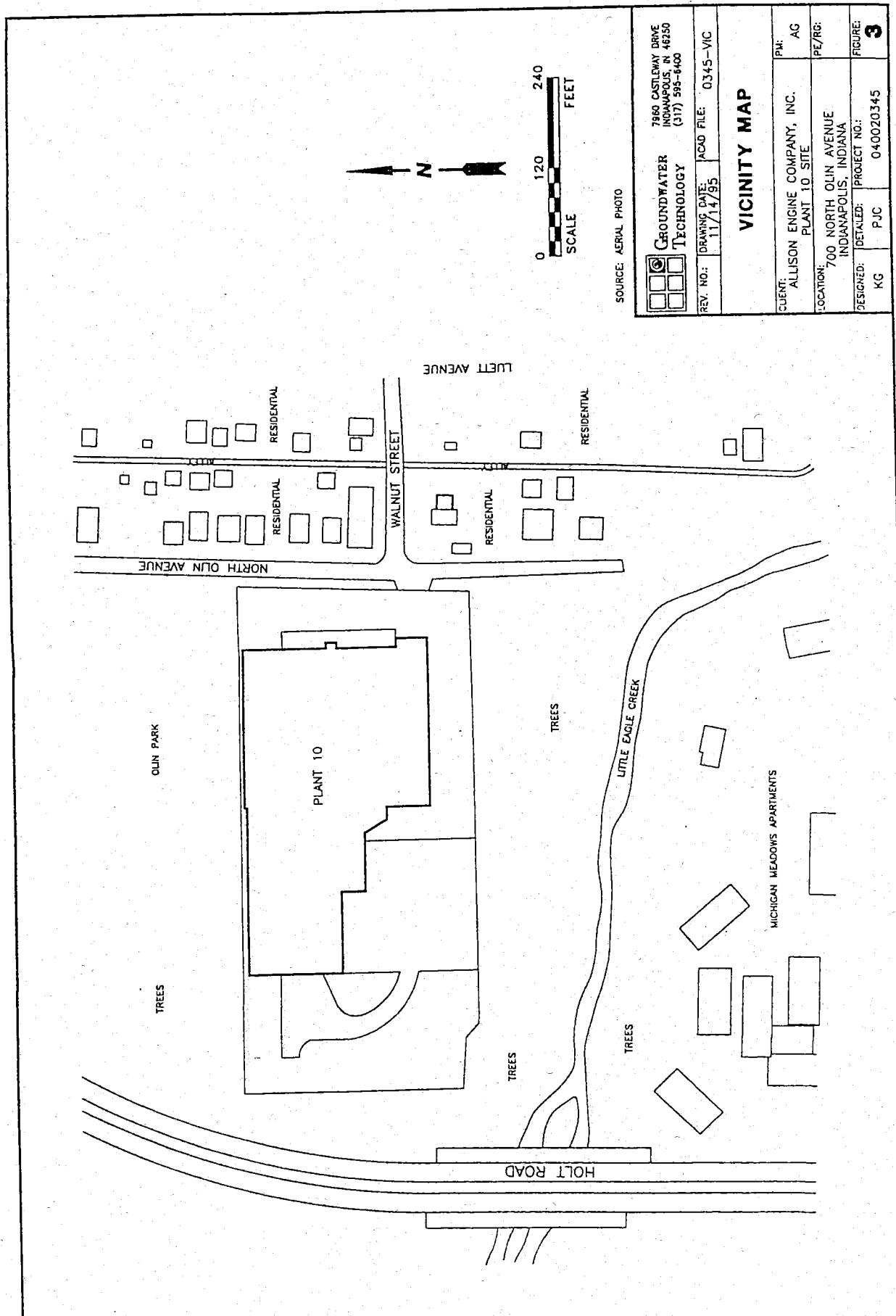
Allison Engine Co Plant #10

700 N Olin Ave

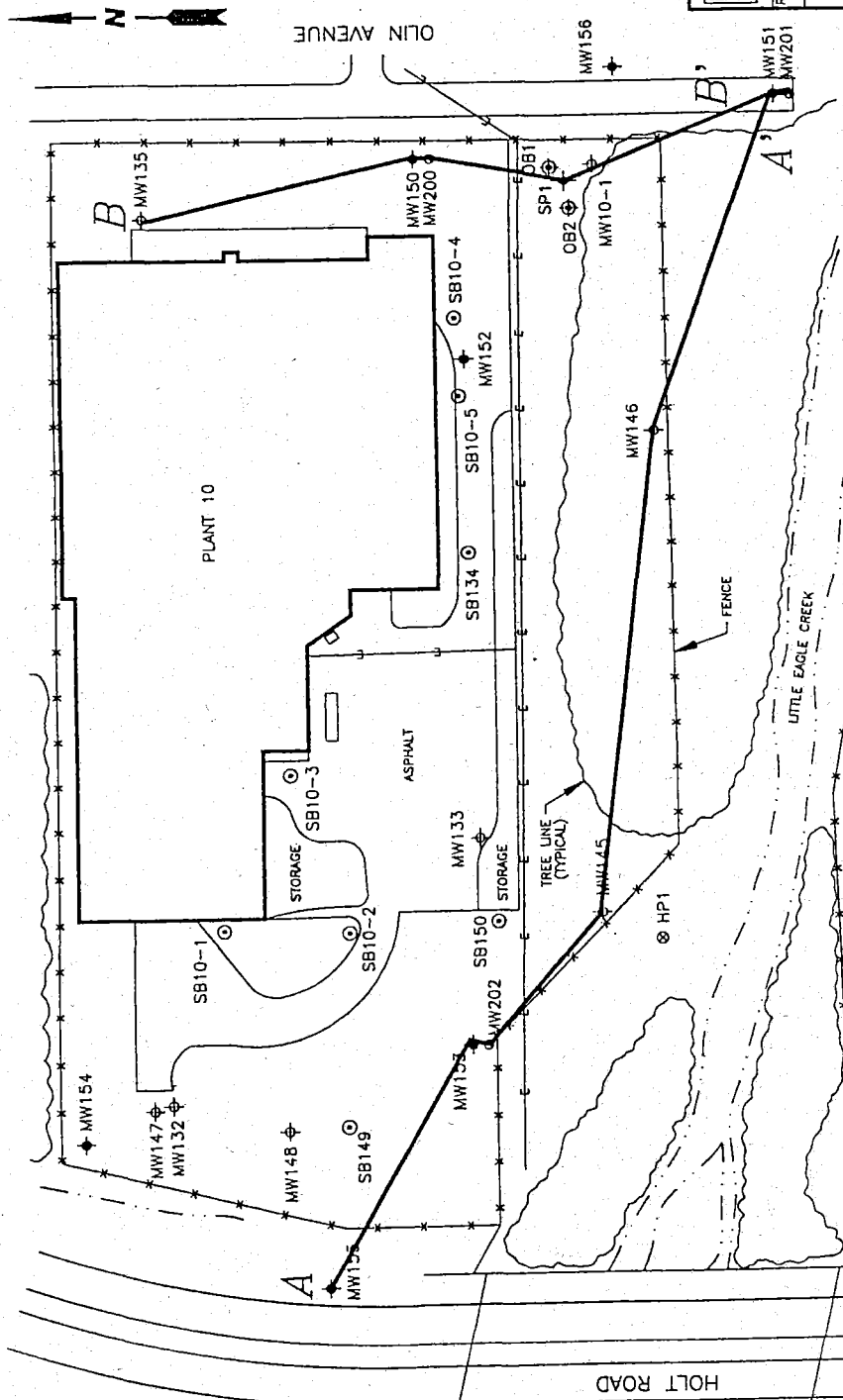
Co

SLC, GWC





- LEGEND**
- NEW SHALLOW 2" MONITORING WELL
 - NEW DEEP 2" MONITORING WELL
 - NEW AIR SPARGE/ VENT TEST WELL
 - NEW 2" OBSERVATION WELL
 - NEW HYDROPUNCH POINT
 - EXISTING SOIL BORING
 - EXISTING MONITORING WELL
 - OVERHEAD ELECTRICAL



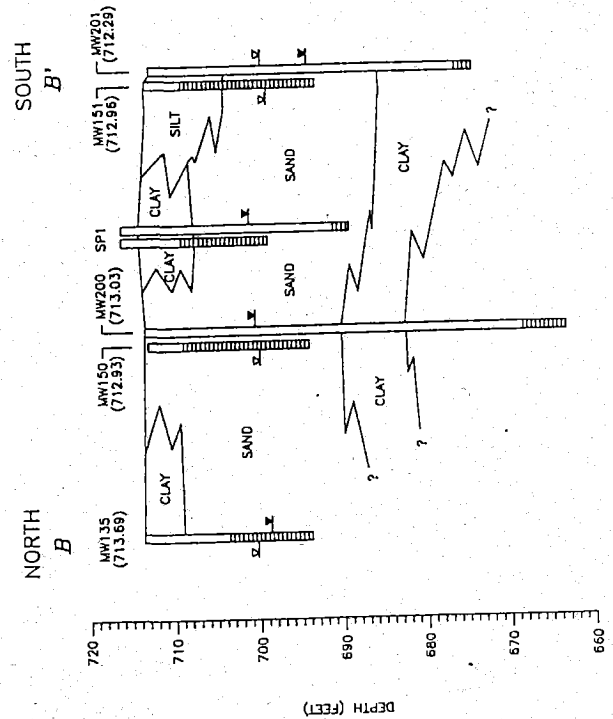
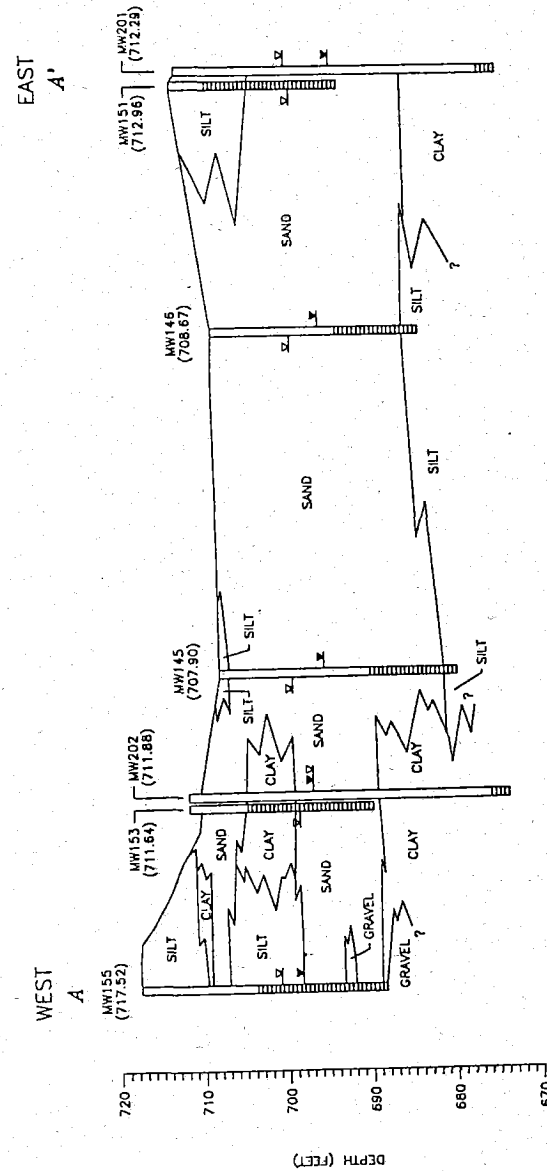
SOURCE: DOW ENVIRONMENTAL

GROUNDWATER TECHNOLOGY
7980 CASTLEWAY DRIVE
INDIANAPOLIS, IN 46250
(317) 593-6400

REV. NO.:
DRAWING DATE: 8/19/95
ACAD FILE: 0345-SIT

CROSS SECTION LOCATION MAP

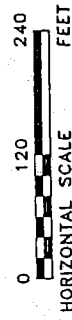
CLIENT: ALLISON ENGINE COMPANY, INC.
PROJECT: PLANT 10 SITE
LOCATION: 700 NORTH OLIN AVENUE
INDIANAPOLIS, INDIANA
DESIGNED: PROJECT NO.: 040020345
PJC AG
FIGURE: 4



LEGEND

- WELL CASING
- WELL SCREEN
- STATIC WATER LEVEL
- INITIAL WATER LEVEL

VERTICAL SCALE AS SHOWN

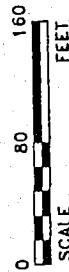


SOURCE: GEOLOGIST SKETCH

		1244-B EXECUTIVE BLVD. CHESAPEAKE, VA 23320 (804) 436-7881	
REV. NO.:	DRAWING DATE:	ACAD FILE:	0345XSEC
CROSS SECTIONS A-A' AND B-B'			
CLIENT: ALLISON ENGINE COMPANY, INC.		PM:	
LOCATION: 700 NORTH OLIN AVENUE INDIANAPOLIS, INDIANA		PE/RG:	
DESIGNED: KG	DETAILED: PJC	PROJECT NO.:	040020345
			FIGURE: 4A

LEGEND

- NEW SHALLOW 2" MONITORING WELL
- NEW DEEP 2" MONITORING WELL
- NEW AIR SPARGE/VENT TEST WELL
- NEW 2" OBSERVATION WELL
- NEW HYDROPUNCH POINT
- EXISTING SOIL BORING
- EXISTING MONITORING WELL
- OVERHEAD ELECTRICAL
- GROUNDWATER ELEVATION IN FEET
- GROUNDWATER CONTOUR LINE
- DIRECTION OF GROUNDWATER FLOW
- CONTOUR INTERVAL = 0.25 FEET



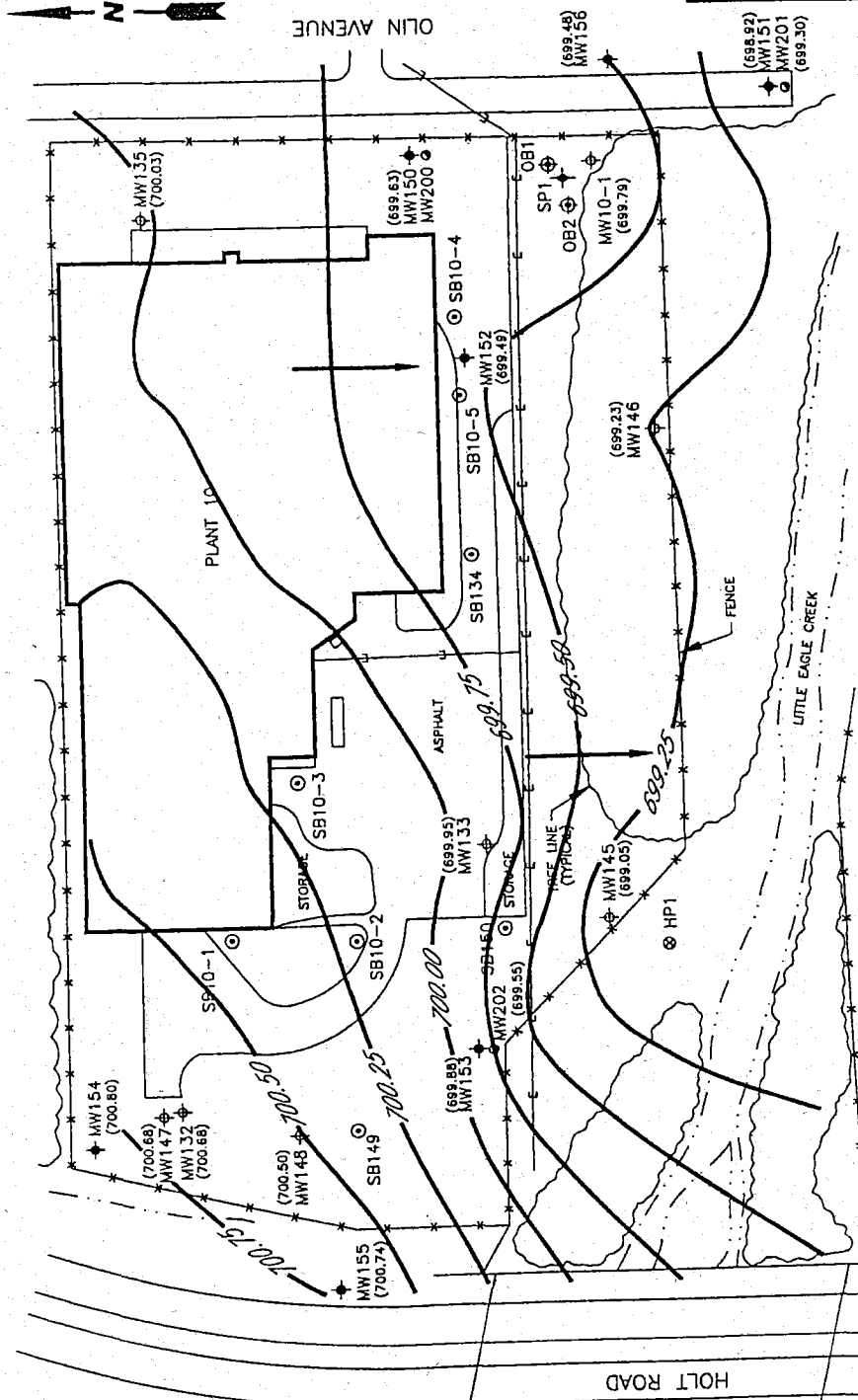
SOURCE: DOW ENVIRONMENTAL

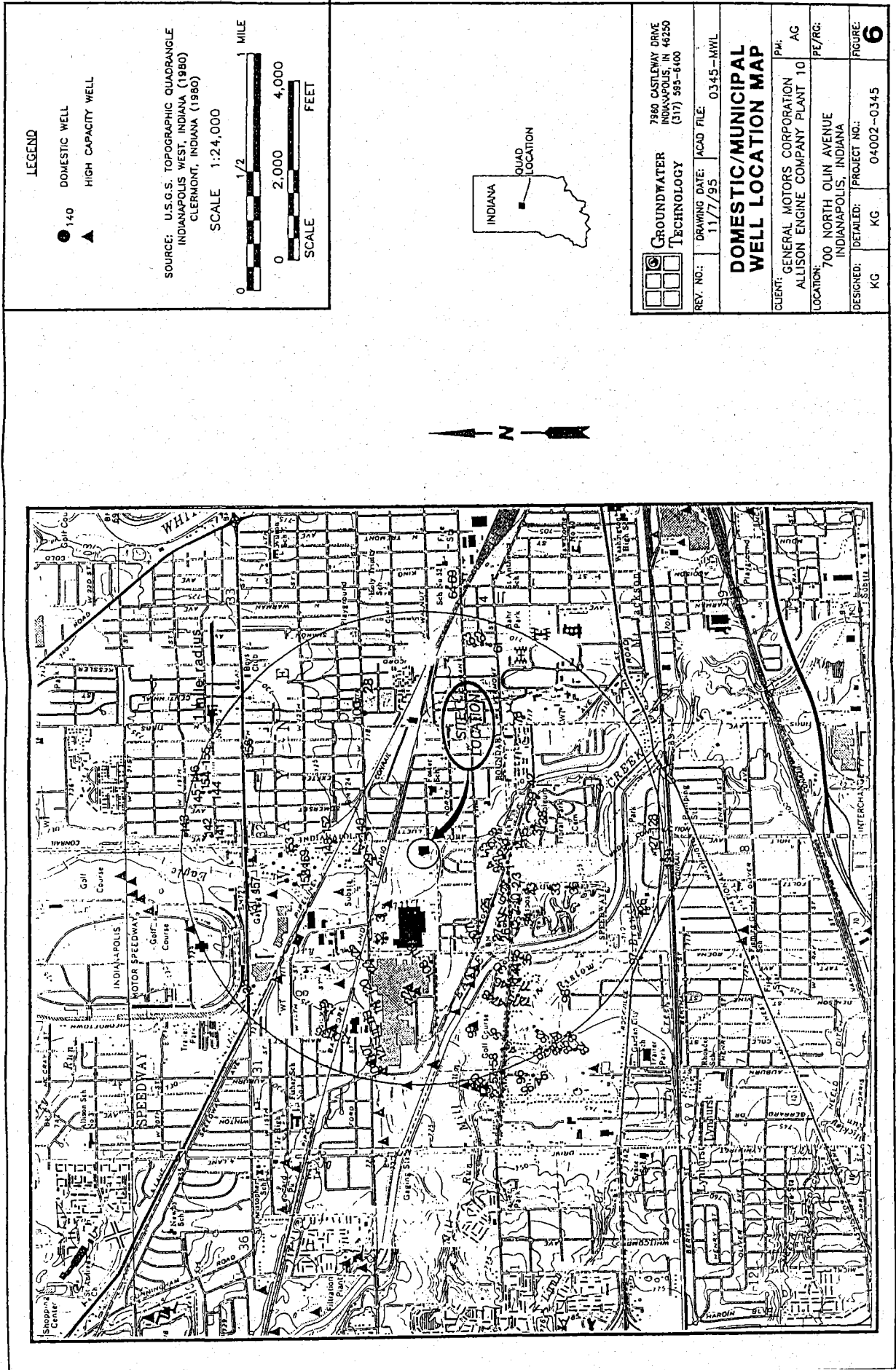
GROUNDWATER TECHNOLOGY
7860 CASTLEWAY DRIVE
INDIANAPOLIS, IN 46250
(317) 593-6400

REV. NO.: DRAWING DATE: 11/16/95
ACD FILE: 0345-PSM

POTENTIOMETRIC SURFACE MAP SEPTEMBER 11, 1995

CLIENT:	ALLISON ENGINE COMPANY, INC.	PM:	AG
LOCATION:	PLANT 10 SITE	PE/RG:	
DESIGNED:	700 NORTH OLIN AVENUE INDIANAPOLIS, INDIANA	PROJECT NO.:	
KG	PJC	040020345	FIGURE: 5B





LEGEND

- NEW SHALLOW 2" MONITORING WELL
- NEW DEEP 2" MONITORING WELL
- NEW AIR SPARGE/VENT TEST WELL
- NEW 2" OBSERVATION WELL
- NEW HYDROPUNCH POINT
- EXISTING SOIL BORING
- EXISTING MONITORING WELL
- EXISTING SLUDGE SAMPLE
- OVERHEAD ELECTRICAL

WELL IDENTIFICATION	SAMPLE DATE	VINYL CHLORIDE	TRICHLOROETHENE	1,2-DICHLOROETHENE (TOTAL)
MW10-1	7/14/95	<10	1,800	1,800
VC				
TCE				
1,2-DCE				

CONCENTRATIONS IN ug/L

EQUIPMENT BLANK	TRIP BLANK
7/21/95	7/21/95
VC	VC
TCE	TCE
1,2-DCE	1,2-DCE



SOURCE: DOW ENVIRONMENTAL

GROUNDWATER TECHNOLOGY
7880 CASTLEWAY DRIVE
INDIANAPOLIS, IN 46250
(317) 595-4400

REV. NO.: 0345GVOC
DRAWING DATE: 6/19/95

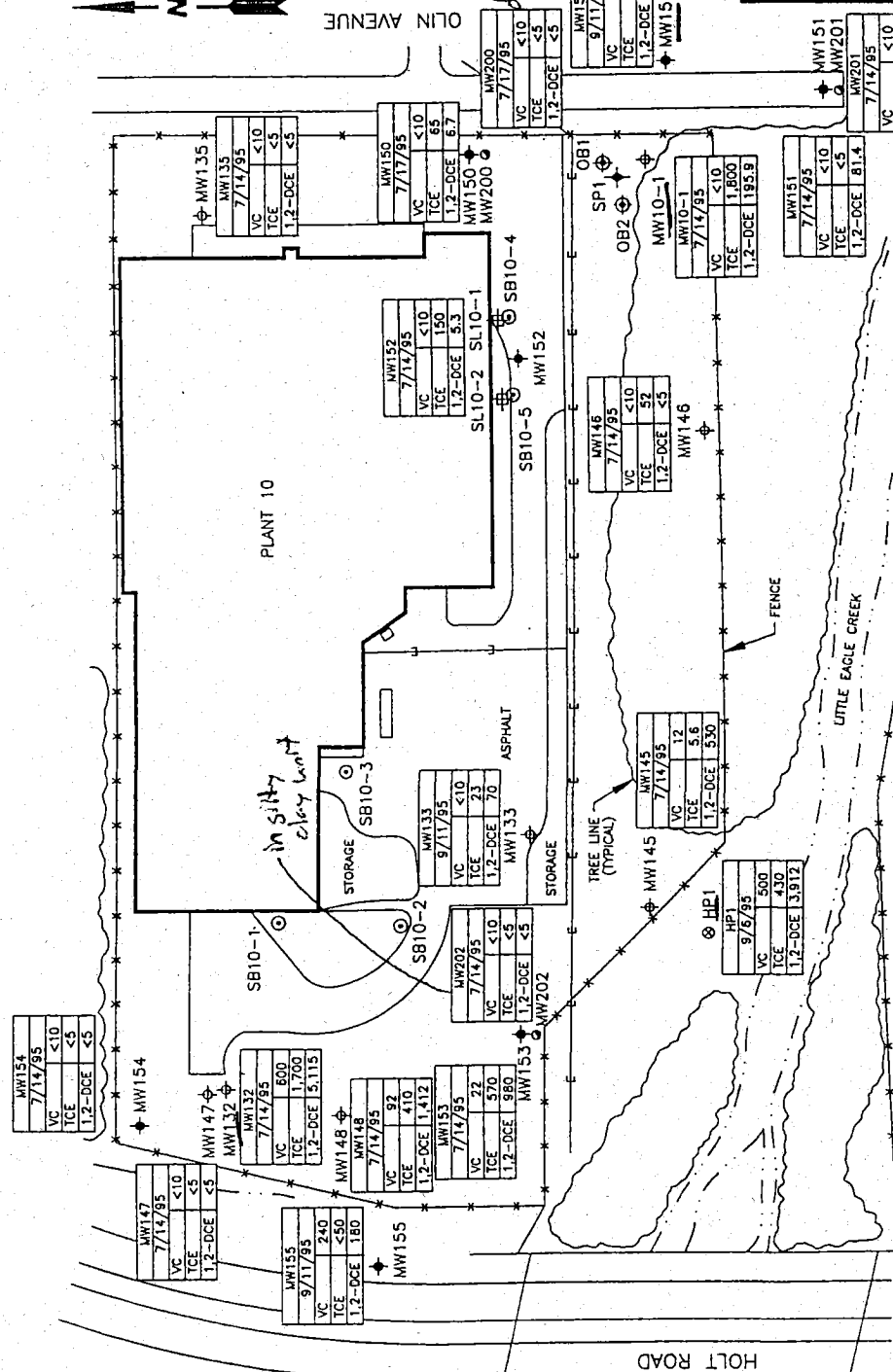
TCE, VC, AND 1,2-DCE IN GROUNDWATER JULY 14-17 AND SEPTEMBER 11, 1995

CLIENT: ALLISON ENGINE COMPANY, INC.
PM: AG

LOCATION: 700 NORTH OLIN AVENUE
INDIANAPOLIS, INDIANA

DESIGNED: PJC
PROJECT NO.: 040020345

FIGURE: 11



deep
silty clay
unit

- Commitments Exchanged
- Journal Entry
- Thoughts & Ideas
- Agendas (telephone, meetings)
- Conversations

SEPTEMBER 1996

DAILY RECORD OF EVENTS

26

THURSDAY

270th Day 96 Left
Week 39

Allison Engle / GM

Incident # 9412032 (TCE) 700 Olin Ave

new end of remediation investigation, want to start F.S.

discovered contamination during due diligence for property sale

Contamination has stayed above clay layer, moving towards Bay Eagle
(S, SE)

* check air records for wells

they are going to check for wells in neighborhood

↳ they don't think there are any

the TCE concentrations are high to the west - there may have
been some dumping in that area

* Public relations firm

BHT Corporation (now Genuine Parts Corp) was previous owner

they are solvent, so they are in negotiation

~~they want to fix~~

If they can't agree to that, they will need to follow CERCLA

requirements, which means public comment, etc.
↳ NPL (Not on list)

are planning to do more sampling West in res. neighborhood, near

source areas, and in / near Little Eagle

Will the western side of plant be air spreading water and allow

degradation to occur in GW at site

Target cleanup levels - MCL's at property line

P & T, 2001 - GM Public relations



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

*Jason FYI
File when finished
AL*

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.state.in.us/idem

January 13, 2000

Mr. Adam Carrol
Health and Hospital Corporation of Marion County
3838 North Rural
5th Floor, Suite 520
Indianapolis, Indiana 46205

Re: Notice of Voluntary Remediation Project
Former Allison Engine Company, Plant 10
700 North Olin Avenue
Indianapolis, Indiana
VRP Site 6991004

Dear Mr. Carrol:

In an effort to communicate to your office information which may be of interest, the Indiana Department of Environmental Management (IDEM) is notifying you that IDEM's Voluntary Remediation Program (VRP) has accepted an application for a voluntary remediation project in your community. The site is known as the Former Allison Engine Company, Plant 10 as referenced above.

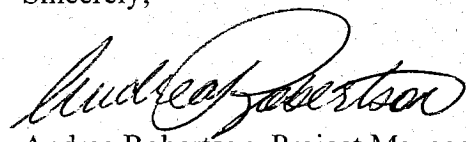
A copy of the application, and all information currently available, is available for public review at the VRP file room located at:

Indiana Department of Environmental Management
Office of Land Quality File Room
2525 North Shadeland Avenue
Indianapolis, Indiana 46206-6015
(317) 308-3023

If you have any questions, please contact me at (317) 308-3129 or at (800) 451-6027.
You may also contact me in writing at:

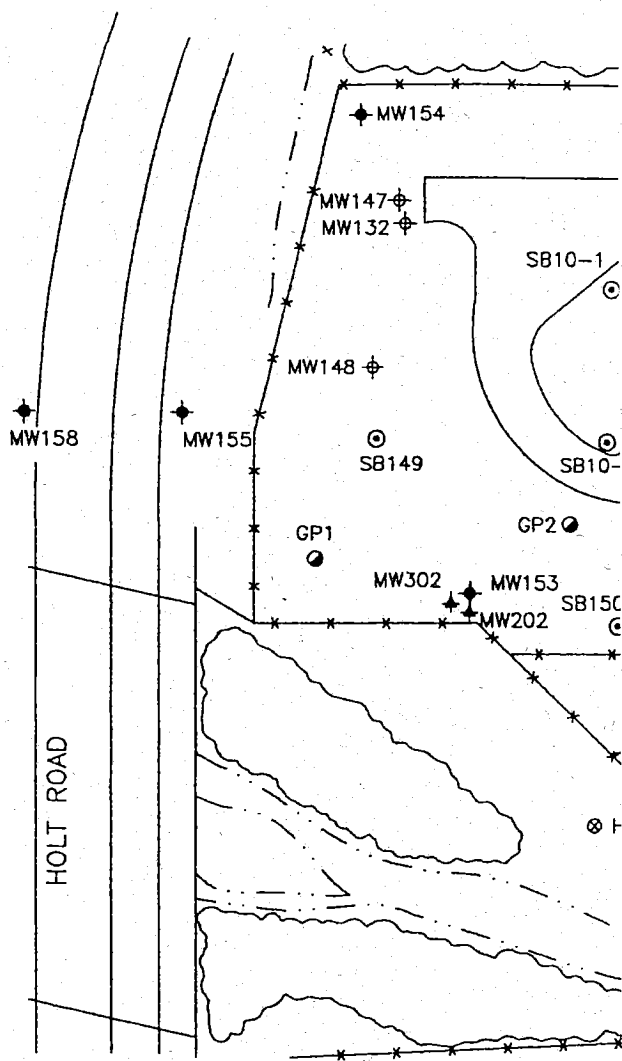
Voluntary Remediation Program
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015

Sincerely,

A handwritten signature in black ink, reading "Andrea Robertson". The signature is fluid and cursive, with the first name "Andrea" and last name "Robertson" clearly distinguishable.

Andrea Robertson, Project Manager
Voluntary Remediation Program
Office of Land Quality

12/1999



LEGEND

- ◆ NEW SHALLOW 2" MONITORING WELL
- ★ NEW DEEP 2" MONITORING WELL
- ✦ NEW AIR SPARGE/ VENT TEST WELL
- ⊕ NEW 2" OBSERVATION WELL
- ⊗ NEW HYDROPUNCH POINT
- NEW GEOPROBE POINT
- ⊙ EXISTING SOIL BORING
- ⊕ EXISTING MONITORING WELL

MW160



DANIEL QTI

6330 E. 75TH ST., STE 176
INDIANAPOLIS, IN 46250
(317) 595-6400

DRAWING DATE:
8/11/97

ACAD FILE: 0262-pot

SITE MAP

AL MOTORS CORPORATION
ENGINE COMPANY PLANT #10

PM:

AG

1 NORTH OLIN AVENUE
INDIANAPOLIS, INDIANA

PE/RG:

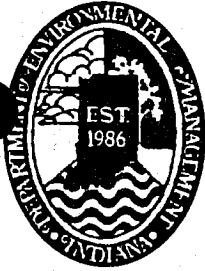
DETAILED:
PJC/RR

PROJECT NO.:
040020262

FIGURE:

1

MARION CO HD



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Evan Bayh
Governor

Michael O'Connor
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Telephone 317-232-8603
Environmental Helpline 1-800-451-6027

VIA CERTIFIED MAIL Z 339 936 246

November 26, 1996

Mr. Kevin Caraker
Allison Engine Co., Inc. Plant 10
700 North Olin Avenue
P.O. Box 420 Mail Stop N23
Indianapolis, Indiana 46206

File

Dear Mr. Caraker:

Re: Letter of Compliance
Hazardous Waste Management
Compliance Evaluation Inspection
Allison Engine Co., Inc. Plant 10
EPA I.D. No. IND 000 806 810
Indianapolis, Marion County

Representatives of the Department of Environmental Management (Department) are conducting inspections of facilities in Indiana that are engaged in the generation, transportation, treatment, storage, or disposal of hazardous waste. Facilities are being inspected to determine compliance with Indiana Code 13 (IC 13), "Environmental Management Act," and Indiana Administrative Code 329 IAC 3.1, "Hazardous Waste Management Permit Program and Related Hazardous Waste Management Requirements." These inspections and record reviews are also being conducted pursuant to the requirements of the Resource Conservation and Recovery Act (RCRA), Public Law 94-580, as amended, for authorized state hazardous waste management programs.

This is to inform you that on September 23, 1996, I conducted an inspection of Allison Engine Co., Inc. Plant 10, located at 700 North Olin Avenue. You represented your firm at this inspection.

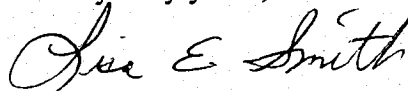
Based on the information gathered during the inspection, it appears that your company does not generate a hazardous waste as defined by Subpart C of 40 CFR 261 and 329 IAC 3.1-3. This being the case, your company would not be subject to the hazardous waste rules. Our office will assume that you agree with this determination unless you inform us otherwise in writing. If your

Letter of Compliance
Allison Engine Co., Inc. Plant 10
Page 2

status should change in the future, please advise this office in writing so that we can update our records. If the above information is correct, your company has the option of removing itself from the hazardous waste management system entirely. If you wish to pursue this option, please contact this office for further information.

If you have further questions relative to this matter, please contact me at 317/233-2406.

Very truly yours,



Lisa E. Smith
Compliance Inspector
Compliance Section
Hazardous Waste Compliance Branch
Solid and Hazardous Waste Management

LES

Enclosure

cc: Marion County Health Department



FAVERO GEOSCIENCES

1210 SOUTH 5TH STREET, SUITE 2
SPRINGFIELD, IL 62703

TEL - (217) 522-6714
FAX - (217) 522-6727

March 28, 1997

Mr. Ralph Luke
Indiana Department of Environmental Management
Emergency Response Section
2525 North Shadeland Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

RE: Incident Number 9412032
Allison Engine Company, Plant 10
700 North Olin Avenue
Indianapolis, IN

Dear Mr. Luke:

This correspondence is submitted on behalf of General Motors Corporation (GM). Thank you for arranging the meeting regarding the above incident with a representative of your group on September 26, 1996. I am sorry you were not able to attend the meeting.

This correspondence is a follow-up to that September 26, 1996 meeting and is provided in an effort to keep you informed of additional information obtained regarding the environmental conditions at the site. At the September 26, 1996 meeting we discussed GM's intentions to perform additional investigation at and in the vicinity of the above referenced site. The additional investigation included sampling of nearby Little Eagle Creek, additional on-site soil sampling, installation of additional on- and off- site monitoring wells, and an additional round of groundwater monitoring. The Marion County Health Department (MCHD) also agreed to perform a well survey in the area south and east of the site.

The sampling of the creek was performed on October 4, 1996 and again on February 10, 1997 by employees of Fluor Daniel GTI. The creek samples were analyzed for Volatile Organic Compounds (VOCs) by Method 8240B. For the October 1996 sampling event there were no VOCs detected in the upstream sample (ST-1), while cis-1,2-Dichloroethene (cis-DCE) was detected at 17 µg/L in the sample collected from south of the site (ST-2), and at 14 µg/L in the sample collected downstream from the site. There were no VOCs detected in the trip blank. Stream flow volume (discharge) during the October sampling event was relatively low, estimated at from 4 to 8 cubic feet per second (cfs). For comparison, the reported October stream flow from the period 1965 to 1995 for a stream gauging station approximately 1.2 miles upstream from the site ranges from 0.81 to 88.9 cfs with a mean of 11.1 cfs. A Figure illustrating the sampling locations and the analytical results is enclosed for your reference.

Because of the detection of cis-DCE in the stream samples in October, samples were again collected in February 1997 from approximately the same locations in the creek. There were no VOCs detected from the analysis of these samples. The estimated stream flow at the time of sampling was approximately 22 cfs. The reported February stream flow from the period of 1965 to 1995 for the gauging station approximately 1.2 miles upstream ranges from 3.82 to 75.5 cfs with a mean discharge of 30.4 cfs.

As the concentrations of cis-DCE detected in October 1996 are below its drinking water standard of 70 $\mu\text{g/L}$ (we understand that there is no Indiana surface water quality criteria for cis-DCE), we do not believe that these results merit any immediate action other than the resampling which was performed and described above. The October results represent near worst case conditions and based on the detected concentrations and stream discharge, detectable concentrations of cis-DCE are likely only present in the creek a small percentage of a given year.

Additional on-site soil sampling did not identify any specific source areas for VOCs in the vadose zone. However, the results further demonstrated the migration of VOCs in the groundwater toward the creek in the southwest portion of the site. A Figure illustrating the sampling locations and the analytical results is enclosed for your reference.

The installation of additional on- and off-site monitoring wells was completed in January 1997. All new and existing monitoring wells were sampled on February 5 and 6, 1997. These results indicate that the extent of VOC contamination of the groundwater is defined in all directions, including vertically, except to the east-southeast of the site. MW157, which is the monitoring well located the farthest east from the site, contained concentrations of Trichloroethene (TCE) greater than its drinking water standard. MW157 was resampled on February 26, 1997 to verify the previously detected TCE concentration. The resampling results also showed the detection of TCE above its drinking water standard. A Figure illustrating the sampling locations and the analytical results is enclosed for your reference. Also enclosed is a Figure illustrating the groundwater potentiometric surface and resulting groundwater flow.

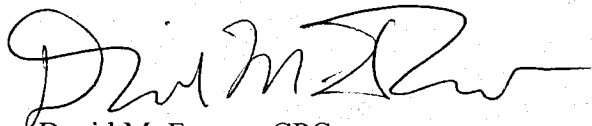
In response to the observed TCE concentration in MW157, GM will instruct Fluor Daniel GTI to install and sample two additional monitoring wells east and south of MW157. The enclosed Vicinity Map illustrates preliminary locations. It is hoped that these wells will allow for the determination of the extent of groundwater impacted above drinking water standards by VOCs.

As discussed during our September 26, 1996 meeting, the MCHD performed a well survey in the vicinity of the plant. The only well identified from the survey is at 709 North Olin Avenue and is identified on the enclosed Vicinity Map. A representative of the MCHD also sampled the well and the sample was analyzed for VOCs among other parameters. No VOCs were detected in the sample and all parameters analyzed were below drinking water standards. MCHD also indicated

that they would sample the well periodically and analyze the samples for VOCs in order to verify that the water from the well does not become impacted by VOCs.

Please contact me if you would like to discuss this matter further. Thank you.

Sincerely,



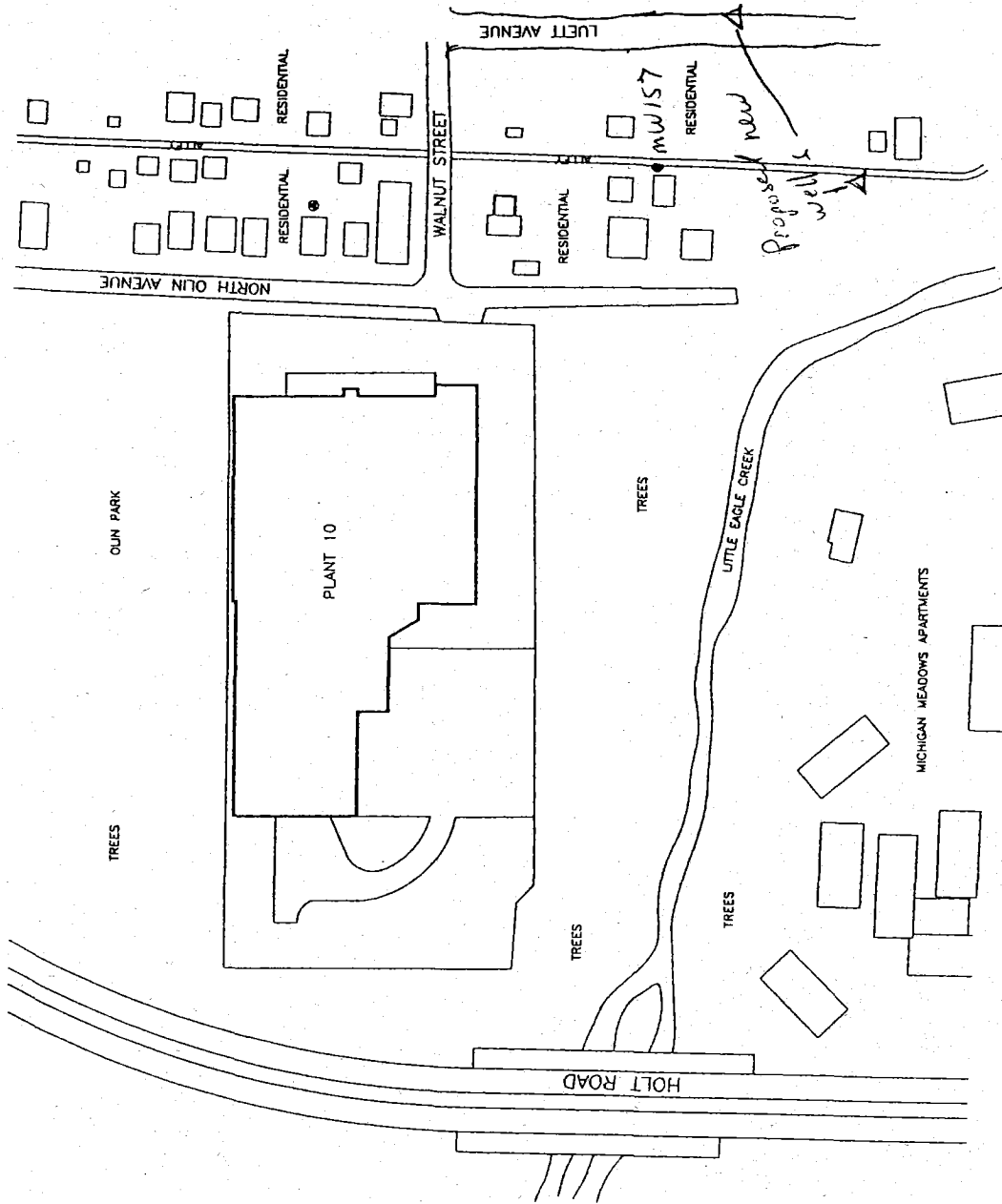
David M. Favero, CPG
Project Manager

Enclosures

- c: Paul Gilson, Marion County Health Department (with enclosures) /
Joe Arnold, City of Indianapolis (with enclosures)
Pat Ellis, Allison Engine Company (with enclosures)
Marilyn Dedyne, GM WFG Remediation Team (with enclosures)
Mark Hester, GM Legal Staff (with enclosures)

LEGEND

DOMESTIC USE WELL



SOURCE: AERIAL PHOTO

FLUOR DANIEL QTI 7860 CASTLEWAY DRIVE INDIANAPOLIS, IN 46250 (317) 395-6600		VICINITY MAP	
REV. NO.:	DRAWING DATE:	ACRO FILE:	Q345-VIC
	11/14/95		
CLIENT:		PJM:	
ALLUSION ENGINE COMPANY, INC.		AG	
LOCATION:		PE/RG:	
700 NORTH OLIN AVENUE			
INDIANAPOLIS, INDIANA		FIGURE:	
DESIGNED:	KG	PROJECT NO.:	040020345
DETAILED:	PJC		
			3

Field Sheet - Initial Inspection

Complaint ID: 482 Date: 3/21/97

St. Number: 700

St. Direction:

Street Name: Olin

St. Type: Ave

St. Suffix:

Suite:

Co. Name: Allison Engine Co., Plt #10

Facility Type: CO PILL: SLC GW

Complainant Information

First Name: Krista

Last Name: Gremos

Phone: 595-6420 Fax:

Street Number: 6300

Direction: E

Street Name: 75th ST.

Street Type: STE 174 Street Suffix:

City: Indpls, IN. 46250

Marion
County Health
Department

Department
of Water
Quality and
Hazardous
Materials
Management

Phone:
541-2270

Narrative: file search for chemical well results only - (company name: Floure Daniels)

595-6420

Complaint Type: FS File Search EHS Number: 227 Greg Spears

Field Notes: Response Date: 3/26/97 Time:

1107 Olin - July 96

709 - only one in area with well

Faxed 1 page to her of 709 Olin well results

Location of Response (if different):

Responsible Party:

Name

Address

Phone

Facility Type (check one)

- ☐ Child Facility (CF)
- ☐ Commercial (CO)
- ☐ Dry Cleaner (DC)
- ☐ Pool (PO)
- ☐ Refuse Process (RP)
- ☐ Residential (RE)
- ☐ Schools (SC)
- ☐ Sld Wst Disposal (SO)
- ☐ Street (ST)
- ☐ Surface Water (SU)
- ☐ Vacant (VA)
- ☐ Vehicle Maintnce (VM)

PILL Code (check all that apply)

- ☐ Ambient Air (AA)
- ☐ Asbestos (AS)
- ☐ CSO
- ☐ Fish Kill (FK)
- ☐ Gen Pub Hlth (GPH)
- ☐ GW Contam (GWC)
- ☐ GW Sample (GWS)
- ☐ Haz Material (HM)
- ☐ Indoor Air (IAQ)
- ☐ Infectious Wst (IW)
- ☐ Lift Station (LS)
- ☐ Leaking UST (LUS)
- ☐ NPDES (NPD)
- ☐ No Pub Hlth (NPH)
- ☐ Occ Health (OH)
- ☐ Radon (RA)
- ☐ Septic (SPT)
- ☐ Soil Contam (SLC)
- ☐ Soil Sample (SLS)
- ☐ Solid Waste (SLD)
- ☐ Spill (SPL)
- ☐ SW Contam (SWC)
- ☐ SW Sample (SWS)
- ☐ UST

Recheck Date:

Referred To:

- ☒ Called Complainant
- ☐ NOV Issued
- ☐ Compliance/Defect Corrected
- ☐ Noncompliance
- Serviced Within: 24 48 72 10 days
- Justified: Y or N

Signature:

Adam Carroll

Date	4/1/97	# of pages	1
To	Krista Gremos	From	Adam Carroll
Co./Dept	Flour Daniels	Co.	MCHO
Phone #	595-6400	Phone #	541-2272
Fax #		Fax #	

WELL CHEMICAL S

Date Rec'd

Lab Sample No.: 002

Date Completed

SAMPLE #: 970
G50102-1

ESTABLISHMENT: RESIDENTIAL

ADDRESS: 709 OLIN AV.

OWNER: Gerodine Gill 632-3712

OWNER ADDRESS: 709 OLIN AV.

WHERE SAMPLE TAKEN: KITCHEN SINK

DEPTH OF WELL: 3 DIAMETER:

TYPE OF WELL: DRILLED:
DRIVEN:
DUG:

HOW LONG WATER RUN: 05 min

KIND OF ODOR:

DATE: 01-02-97

SANITARIAN: SPEARS

CHEMISTS: [Signature]

RESAMPLE:

POSSIBLE ENVIRONMENTAL HAZARDS:

On Site:

Off Site: Allison's Plant #10

pH 7.37

GC - M. S. ANALYSIS OF VOLATILES:

CONDUCTIVITY	Scan	Identity	Purity	Fit	Approx. Quan. (ug/L)
916					
Conc. in mg/L:					
NITRATE as N					
3.22					
CHLORIDE					
56.9					
FLUORIDE					
0.12					
Conc. in ug/L:					
ARSENIC (80)					
<DL					
BARIUM (0.3)					
72.2					
CADMIUM (5)					
<DL					
CHROMIUM (2)					
2.99					
MERCURY (20)					
1.62					
LEAD (10)					
<DL					
(Detection Limits)					
Sulfate 74 mg/L					
Carbonates					
		Nothing Detected			

GROUNDWATER



FAVERO GEOSCIENCES

1210 SOUTH 5TH STREET, SUITE 2
SPRINGFIELD, IL 62703

TEL - (217) 522-6714
FAX - (217) 522-6727

July 15, 1998

Ms. Julie D. Reed
Marion County Health Department
Bureau of Environmental Health
3838 North Rural Street
Indianapolis, IN 46205

RE: Incident Number 9412032
Allison Engine Company, Plant 10
700 North Olin Avenue
Indianapolis, IN

Dear Ms. Reed:

This correspondence is submitted on behalf of General Motors Corporation (GM) in response to your request for the results of the sampling from monitoring wells installed to delineate the extent of groundwater containing volatile organic compounds (VOCs) south and east of the Plant. The last update was provided to you in a March 28, 1997 correspondence.

*1/41 Chloride
the detection
with above
TCL's*
u = 50

Pursuant to the data presented in the March 28, 1997 update, GM instructed Fluor Daniel GTI to install and sample two additional monitoring wells east and south of MW157 (Figure 1). The purpose of these wells was to determine the horizontal extent of groundwater containing VOCs above their drinking water maximum contaminant levels (MCLs). The wells, designated MW-159 and MW-160, were installed on May 5, 1997 and were sampled on May 15, 1997. The samples were analyzed for VOCs using Method 8240. The analytical results indicated that all VOCs were below detection limits in MW-159 and all VOCs with the exception of trichloroethene at 13 µg/L, were below detection limits in MW-160. The laboratory report is included as Attachment 1. The analytical results from the samples collected from the two new off-site monitoring wells demonstrate that for all practical purposes the extent of groundwater containing VOCs above their MCLs is defined.

↳ Not TCE

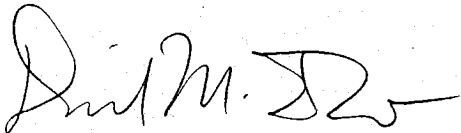
As you know, your Department's periodic sampling and analysis of the only identified private well in the downgradient vicinity of the Plant has not detected any VOCs.

Be advised that GM only used the Plant for a warehouse for surplus equipment and never used or stored chlorinated solvents at the Plant. Therefore GM evaluated historical Plant ownership and use in an attempt to identify any parties that may have used or stored chlorinated solvents at the Plant. GM identified a successor of a former Plant owner that used chlorinated solvents as a part

of its business. At this time GM has entered into negotiations with that successor to perform necessary additional remediation activities.

Either GM or the successor will provide you with an update when significant activities are completed. Please contact me if you would like to discuss this matter further. Thank you.

Sincerely,



David M. Favero, CPG
Project Manager

Attachments

Figure 1 – Site Map

Attachment 1 – Laboratory Report

- c: Ralph Luke, IDEM Emergency Response Section (with attachments)
 Joe Arnold, City of Indianapolis (with attachments)
 Pat Ellis, Allison Engine Company (with attachments)
 Marilyn Dedyne, GM WFG Remediation Team (with attachments)
 Mark Hester, GM Legal Staff (with attachments)



NEI/GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Midwest Region

4211 May Avenue
Wichita, KS 67209
(316) 945-2624
(800) 633-7936
(316) 945-0506 (FAX)

May 30, 1997

Andrew Gremos
Fluor Daniel GTI, Inc.
6330 E. 75th St.
Suite 176
Indianapolis, IN 46250

RECEIVED
JUN - 2 1997

RE: NEI/GTEL Client ID:	010210261
Login Number:	W7050275
Project ID (number):	010210261
Project ID (name):	GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Dear Andrew Gremos:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 05/17/97.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by NEI/GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This report is to be reproduced only in full.

NEI/GTEL is certified by the State of Kansas under Certification Number E-10103.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.

Justin Ward, Project Coordinator for
Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 010210261

Login Number: W7050275

Project ID (number): 010210261

Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Method: EPA 8240B

Matrix: Aqueous

NEI/GTEL Sample Number	W7050275-01	W7050275-02	--	--
Client ID	MW-160	MW-159	--	--
Date Sampled	05/15/97	05/15/97	--	--
Date Analyzed	05/22/97	05/22/97	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
Chloromethane	10.	ug/L	< 10.	< 10.	--	--
Bromomethane	10.	ug/L	< 10.	< 10.	--	--
Vinyl chloride	MCL= 2.0	ug/L	< 10.	< 10.	--	--
Chloroethane	10.	ug/L	< 10.	< 10.	--	--
Methylene chloride	5.0	ug/L	< 5.0	< 5.0	--	--
Acetone	20.	ug/L	< 20.	< 20.	--	--
Carbon disulfide	5.0	ug/L	< 5.0	< 5.0	--	--
1,1-Dichloroethene	5.0	ug/L	< 5.0	< 5.0	--	--
1,1-Dichloroethane	5.0	ug/L	< 5.0	< 5.0	--	--
cis-1,2-Dichloroethene	5.0	ug/L	< 5.0	< 5.0	--	--
trans-1,2-Dichloroethene	5.0	ug/L	< 5.0	< 5.0	--	--
Chloroform	5.0	ug/L	< 5.0	< 5.0	--	--
1,2-Dichloroethane	5.0	ug/L	< 5.0	< 5.0	--	--
2-Butanone	20.	ug/L	< 20.	< 20.	--	--
1,1,1-Trichloroethane	5.0	ug/L	< 5.0	< 5.0	--	--
Carbon tetrachloride	5.0	ug/L	< 5.0	< 5.0	--	--
Vinyl acetate	20.	ug/L	< 20.	< 20.	--	--
Bromodichloromethane	5.0	ug/L	< 5.0	< 5.0	--	--
1,2-Dichloropropane	5.0	ug/L	< 5.0	< 5.0	--	--
cis-1,3-Dichloropropene	5.0	ug/L	< 5.0	< 5.0	--	--
Trichloroethene	5.0	ug/L	13.	< 5.0	--	--
Dibromochloromethane	5.0	ug/L	< 5.0	< 5.0	--	--
1,1,2-Trichloroethane	5.0	ug/L	< 5.0	< 5.0	--	--
Benzene	5.0	ug/L	< 5.0	< 5.0	--	--
2-Chloroethylvinyl ether	10.	ug/L	< 10.	< 10.	--	--
trans-1,3-Dichloropropene	5.0	ug/L	< 5.0	< 5.0	--	--
Bromoform	5.0	ug/L	< 5.0	< 5.0	--	--
4-Methyl-2-pentanone	20.	ug/L	< 20.	< 20.	--	--
2-Hexanone	20.	ug/L	< 20.	< 20.	--	--
Tetrachloroethene	5.0	ug/L	< 5.0	< 5.0	--	--
1,1,2,2-Tetrachloroethane	5.0	ug/L	< 5.0	< 5.0	--	--
Toluene	5.0	ug/L	< 5.0	< 5.0	--	--
Chlorobenzene	5.0	ug/L	< 5.0	< 5.0	--	--
Ethylbenzene	5.0	ug/L	< 5.0	< 5.0	--	--
Styrene	5.0	ug/L	< 5.0	< 5.0	--	--
Xylenes (total)	5.0	ug/L	< 5.0	< 5.0	--	--
1,2-Dichlorobenzene	10.	ug/L	< 10.	< 10.	--	--
1,3-Dichlorobenzene	10.	ug/L	< 10.	< 10.	--	--
1,4-Dichlorobenzene	10.	ug/L	< 10.	< 10.	--	--

NEI/GTEL Wichita, KS

W7050275

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 010210261

Login Number: W7050275

Project ID (number): 010210261

Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Method: EPA 8240B

Matrix: Aqueous

NEI/GTEL Sample Number	W7050275-01	W7050275-02	--	--
Client ID	MW-160	MW-159	--	--
Date Sampled	05/15/97	05/15/97	--	--
Date Analyzed	05/22/97	05/22/97	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:
---------	--------------------	-------	----------------

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8240B:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

NEI/GTEL Client ID: 010210261

QUALITY CONTROL RESULTS

Login Number: W7050275

Project ID (number): 010210261

Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Volatile Organics

Method: EPA 8240B

Matrix: Aqueous

Method Blank Results

QC Batch No: 052297JK-1

Date Analyzed: 22-MAY-97

Analyte	Method: EPA 8240B	Concentration: ug/L
Chloromethane	< 10.0	
Bromomethane	< 10.0	
Vinyl chloride	< 10.0	
Chloroethane	< 10.0	
Methylene chloride	< 5.00	
Acetone	< 20.0	
Carbon disulfide	< 5.00	
1,1-Dichloroethene	< 5.00	
1,1-Dichloroethane	< 5.00	
cis-1,2-Dichloroethene	< 5.00	
trans-1,2-Dichloroethene	< 5.00	
Chloroform	< 5.00	
1,2-Dichloroethane	< 5.00	
2-Butanone	< 20.0	
1,1,1-Trichloroethane	< 5.00	
Carbon tetrachloride	< 5.00	
Vinyl acetate	< 20.0	
Bromodichloromethane	< 5.00	
1,2-Dichloropropane	< 5.00	
cis-1,3-Dichloropropene	< 5.00	
Trichloroethene	< 5.00	
Dibromochloromethane	< 5.00	
1,1,2-Trichloroethane	< 5.00	
Benzene	< 5.00	
2-Chloroethyl vinyl ether	< 10.0	
trans-1,3-Dichloropropene	< 5.00	
Bromoform	< 5.00	
4-Methyl-2-pentanone	< 20.0	
2-Hexanone	< 20.0	
Tetrachloroethene	< 5.00	
1,1,2,2-Tetrachloroethane	< 5.00	
Toluene	< 5.00	
Chlorobenzene	< 5.00	
Ethylbenzene	< 5.00	
Styrene	< 5.00	
Xylenes (Total)	< 5.00	
1,2-Dichlorobenzene	< 10.0	
1,3-Dichlorobenzene	< 10.0	
1,4-Dichlorobenzene	< 10.0	

Notes:NEI/GTEL Wichita, KS
W7050275:3

AMMH001262

NEI/GTEL Client ID: 010210261

QUALITY CONTROL RESULTS

Login Number: W7050275

Volatile Organics

Project ID (number): 010210261

Method: EPA 8240B

Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Matrix: Aqueous

Laboratory Control Sample (LCS) and Laboratory Control Duplicate Results

Analyte	Spike	LCS		LCS Duplicate		Acceptability Limits		
	Amount	Concentration	Recovery, %	Concentration	Recovery, %	RPD, %	RPD, %	Recovery, %
EPA 8240B	Units: ug/L	QC Batch:052297JK-3						
1,1-Dichloroethene	50.0	44.5	89.0	49.1	98.2	9.83	14	61-145%
Trichloroethene	50.0	50.9	102.	50.4	101.	0.985	14	71-120%
Benzene	50.0	50.7	101.	50.9	102.	0.985	11	76-127%
Toluene	50.0	49.5	99.0	51.2	102.	2.99	13	76-125%
Chlorobenzene	50.0	49.3	98.6	51.3	103.	4.37	13	75-130%

Notes:NEI/GTEL Wichita, KS
W7050275:4

NEI/GTEL Client ID: 010210261

QUALITY CONTROL RESULTS

Login Number: W7050275

Project ID (number): 010210261

Project ID (name): GM/ALLISON PLANT 10/INDIANAPOLIS/IN

Volatile Organics

Method: EPA 8240B

Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met

* = See Comments

-- = Not Required

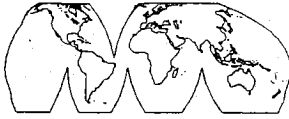
NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	--	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	--	--	--
Blank Contamination	X	--	--

Comments:

NEI/GTEL Wichita, KS
W7050275:1

AMMH001264



FAVERO GEOSCIENCES

1210 SOUTH 5TH STREET, SUITE 2
SPRINGFIELD, IL 62703

TEL - (217) 522-6714
FAX - (217) 522-6727

7/15/98

FILE TO:

* 700 N. Olin Ave (Arlington, Plant 1)
~~* 1304 N. Olin Ave (Arlington, Plant 1)~~

Julie,

Sorry for the delay in submitting this information.

Also, ^{*}the detection limit for vinyl chloride will
be at or below its MCL for any future
monitoring.

Thank you.

David Favero



APPENDIX E

IPL Letter Regarding the Transformer

APPENDIX E

IPL Letter Regarding the Transformer



Attn: Leena Lothe
Mundell & Associates
429 East Vermont Street
Suite 200
Indianapolis, IN 46202

Dear Ms. Lothe,

This letter confirms that Indianapolis Power & Light Company (IPL) owns and maintains many distribution transformers within it's service territory, located in and around the city of Indianapolis, Indiana. These transformers have not been tested for PCB content and thus PPM PCB values are not available. In accordance with EPA Rule 40CFR Part 761, IPL treats all untested transformers as PCB Contaminated (50 - 499 PPM), but not PCB (500 or greater PPM).

IPL did not purchase PCB transformers for use on the distribution system, but a small portion of these transformers may contain low levels of PCB contamination. All transformers purchased since 1980 were manufactured without PCB. The only method to determine the true PCB content, if any, of a transformer is to extract a sample of the oil for laboratory analysis. This action would require an interruption of electric service for the customer(s) and would be performed at the customer's expense.

When an IPL owned transformer is discovered to be releasing oil, IPL will remove the transformer from service and perform a cleanup of any oil that escaped from the transformer. At that time, a sample of the oil from the transformer will be sent to a laboratory to determine the PCB content, if any, of that particular transformer.

Should you have any question, or desire pricing for additional services, you may call me directly at (317) 261-8959.

Sincerely,

Lawrence B. Rudolf
Transmission Operations Team

APPENDIX F

Wellhead Protection Area Proximity Determination

APPENDIX F

Wellhead Protection Area Proximity Determination



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

November 5, 2003

Leena Lothe
Mundell & Associates, Inc.
429 East Vermont Street, Suite 200
Indianapolis, IN 46202

RE: Wellhead Protection Area Proximity Determination
3800 West Michigan Street
Indianapolis, IN 46222

Dear Ms. Lothe:

Upon review of the above referenced site, it has been determined that the site **is not** within a Wellhead Protection Area.

If you have any additional questions, please feel free to contact me at the address above or at (317) 308-3281.

Sincerely,

James Sullivan, Chief
Ground Water Section
Drinking Water Branch
Office of Water Quality

APPENDIX G

Property Record Cards

APPENDIX G

Property Record Cards

ASSOCIATED PROPERTIES SERVICES, INC. 55-S HARDING ST INDIANAPOLIS, IN 46222		BEG ON EL 100FT N OF SE COR NE 1/4 NW 1/4 S5 T15 R3 W 780FT N 300FT E 780FT S 300FT TO BEG 5.37AC		700 OLIN AV PROPERTY ADDRESS 901 9-035493 TAX DISTRICT PARCEL NUMBER 49 0900 COUNTY TOWNSHIP		01/04 CARD OF CARD N:9-065.1 F:100						
TRANSFER OF OWNERSHIP		TYPE	DEED DATE	FILE DATE	NOTE AEC PLANT 10 BLDG 1		INFLUENCE CODES 1 Topography 5 Misimprovements 2 Under- 8 Restrictions 3 Excess 7 Traffic flow Frontage 8 View 4 Shape or Size 9 Corner Inf. 0 Other					
700 H Olin Ave LLC		W	9-27-03	10-2-03	MEMORANDUM 11/19/1996 3 3 GAD 3/10/1997 6 3 JFP		CY 2002					
ASSESSMENT YEAR 2002		155700		610300		PROPERTY CLASS AND SUBCLASS CODES						
TRUE TAX VALUE		LAND 171800	IMPV 393500		TOTAL 565300		1 MINERAL - Valued for several mineral rights at \$ 60 per Acre					
EQUALIZATION		100	ASSESSED VALUE		LAND 171800		INDUSTRIAL - Land and improvements used for Manufacturing, Processing, or Refining Food or Materials					
TOTAL		565300	IMPV 393500		TOTAL 565300		4 COMMERCIAL - Land and improvements used for General Commercial and Recreational Purposes					
LAND AND DATA COMPUTATIONS		LOT TYPE		ACTUAL FRONTAGE	EFFECT. FRONTAGE	EFFECT. DEPTH	DEPTH FACTOR	BASE RATE	ADJUSTED RATE	EXTENDED VALUE	INFLUENCE FACTOR	TRUE TAX VALUE
SQ. FT.												
SO. FT.												
CONDO PRICING												
LAND TYPE		SOIL ID	ACREAGE	PROD FACTOR	BASE RATE	ADJUSTED RATE	EXTENDED VALUE	INFLUENCE FACTOR	TRUE TAX VALUE			
1 PRIMARY			5.370		32000	32000.00	171840	00	%	171840		
GROSS LAND		LAND DENSITY		UNIT		RATE						
TOTAL MEASURED ACREAGE		TOTAL TRUE TAX VALUE		171800								
wayprcc.txt-3-829		03/19/2003 003670		Approved for Marion County By DLGF 2003								

NO. OF UNITS		AV. UNIT SIZE		ROOFING		WALLS		CONC BLOCK/CMU		FRAMING		WOOD JOIST		FIRE RESISTANT		FIREPROOF STEEL		REFINE CONCRETE		FLOORS		CONCRETE		WOOD		TILE OR CARPET		FINISH TYPE		UNFINISHED		SEMI-FINISHED		FINISHED OPEN		FINISHED DIVIDED		USE		999 ENTRY		L WHOUSE		IND OFFCE	
1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
PLUMBING		DESCRIPTION		VALUE		DESCRIPTION		VALUE		EXTERIOR/SPECIAL FEATURES		DESCRIPTION		VALUE		SUMMARY OF IMPROVEMENTS		USE		STY		NO. UNITS		GRADE		YEAR CONST		EFF. YEAR		COND		TOTAL NET TTV		% COMP		TRUE TAX VALUE									
PLMB FIX:COM		28		36400		MEZ LT UTL 1		1 00002700		22410		TRKWELL:C-PA		1 00001710		5300		L WHOUSE		1		01		C		1955		FR		225300		100		225300											
TRKWELL:CONC		1		00000076		1720		65830		OTHER BUILDING & YARD IMPROVEMENTS		ID		USE		STY		NO. UNITS		GRADE		YEAR CONST		EFF. YEAR		COND		BASE RATE		FEATURES		ADJ. RATE		SIZE OF AREA		REPLACEMENT COST		NORMAL DEPR.		REMAINDER VALUE		OBSO. DEPR.		TRUE TAX VALUE	
01 PAVING ASPHALT		1		C		1955		FR		1.40		02 FENCING:G-CL 7G		6		1		C		1955		AV		12.15		123		13.90		1930		26830		80		39200		5366		39200					
03												04																																	
05												06																																	
07												08																																	
09												10																																	

Approved for Marion County By DLGF 2003

[illegible][illegible]

[illegible]

IMPROVEMENT DATA AND COMPUTATION- MARION COUNTY LOCATION MULTIPLIER 100%									
NO. OF UNITS									
AV. UNIT SIZE									
ROOFING									
WALLS									
METAL	XX								
FRAMING									
WOOD JOIST									
FIRE RESISTANT	XX								
FIREPROOF STEEL									
REINF. CONCRETE									
FLOORS									
CONCRETE									
WOOD									
TILE OR CARPET									
FINISH TYPE									
UNFINISHED	X								
SEMIFINISHED									
FINISHED OPEN									
FINISHED DIVIDED									
USE									
999 ENTRY	X								
LU STORAGE	X								
HEATING & AIR COND.									
HEAT	NN								
AIR	NN								
SPRINKLER	YN								
USE TYPE	999 ENTRY	LU STORAGE							
PRICING KEY									
S.F. AREA	82503	1800							
EFF. PERIM.	1322 L/F	L/F							
P.A.R.		2							
FLOOR			HGT	RATE	HGT	RATE	HGT	RATE	HGT
01/01	18								
01/01		18	18.65						
EL FL									
FRAME ADJ.		2.00							
WALL HT ADJ.		20.65							
BASE PRICE		100.00							
BPA%		20.65							
SUB-TOTAL									
UNIT FINISH									
INT. FINISH									
DIVISION WALLS		- .75							
LIGHTING									
HEATING		- .75							
AIR CONDITIONING									
SPRINKLER									
S.F. PRICE		19.15							
AREA	82503	1800							
SUB-TOTAL		34470							
PLUMBING									
SPECIAL FEATURES		1270							
EXT. FEATURES									
TOTAL BASE		35740							
GRADE FACTOR		1.00							
REPLACEMENT COST		35740							
NORMAL DEPR		80							
REMAINDER VALUE		7148							
OBSOL DEPR		25					25		25
NET TTV		5361							

PLUMBING			EXTERIOR/SPECIAL FEATURES		
DESCRIPTION	VALUE	DESCRIPTION	VALUE	DESCRIPTION	VALUE
		INDUST CNPY 1 007X0030	1270		
					1270

SUMMARY OF IMPROVEMENTS								TOTAL NET TTV		% COMP	TRUE TAX VALUE
USE	STY	NO.	GRADE	YEAR	EFF.	COND		5400	100	5400	
LU STORAGE	1	01	C	1955		FR					

OTHER BUILDING & YARD IMPROVEMENTS																
ID	USE	STY	NO.	GRADE	YEAR	EFF.	COND	BASE RATE	FEATURES	ADJ. RATE	SIZE OF AREA	REPLACEMENT COST	NORMAL DEPR.	REMAINDER VALUE	OBSOL DEPR.	TRUE TAX VALUE
01																
02																
03																
04																
05																
06																
07																
08																
09																
10																

DATA COLLECTION/DATE			APPRaiser/DATE			DATE PRINTED			GROSS IMPR			TOTAL TRUE TAX IMPROVEMENT VALUE			5400		
MARION COUNTY, INDIANA - 2002																	

ASSOCIATED PROPERTIES SERVICES INC 55 S HARDING ST INDIANAPOLIS, IN 46222		BEG ON EL 100FT N OF SE COR NE 1/4 NW 1/4 S5 T15 R3 W 780FT N 300FT E 780FT S 300FT TO BEG 5.37AC		700 OLIN AV PROPERTY ADDRESS 901, 9-035493 TAX DISTRICT PARCEL NUMBER 49 0900 COUNTY TOWNSHIP PARCEL TIEBACK TYPE NOTE AEC PLANT 10 BLDG Y-2 MEMORANDUM 11/19/1996 3 3 2002 3/11/1997 6 3 JFP 2001 155700 610300		CARD OF CARD N:9-065.1 F:100 USE CODE PR. CLASS 340 340 99999 X SUBDIVISION		
TRANSFER OF OWNERSHIP		TYPE	DEED DATE	FILE DATE	INFLUENCE CODES 1 Topography 5 Misimprovements 2 Under-ments 3 Excess 6 Restrictions 4 Shape or Size 9 Corner Inf. 0 Other			
ASSESSMENT YEAR						PROPERTY CLASS AND SUBCLASS CODES		
TRUE TAX VALUE		LAND IMPV TOTAL					1 MINERAL - Valued for several mineral rights at \$ 50 per Acre	
EQUALIZATION ASSESSED VALUE		LAND IMPV TOTAL					2 INDUSTRIAL - Land and improvements used for Manufacturing, Processing, or Refining Food or Materials	
							3 COMMERCIAL - Land and improvements used for General Commercial and Recreational Purpose	
							4 PUBLIC UTILITY - Land and improvements owned by a Public Utility	
							5 EXEMPT - Land and improvements owned by a Public Utility	
							6 EXEMPT - Land and improvements owned by a Public Utility	
							7 EXEMPT - Land and improvements owned by a Public Utility	
							8 EXEMPT - Land and improvements owned by a Public Utility	
							9 EXEMPT - Land and improvements owned by a Public Utility	
							10 EXEMPT - Land and improvements owned by a Public Utility	
							11 EXEMPT - Land and improvements owned by a Public Utility	
							12 EXEMPT - Land and improvements owned by a Public Utility	
							13 EXEMPT - Land and improvements owned by a Public Utility	
							14 EXEMPT - Land and improvements owned by a Public Utility	
							15 EXEMPT - Land and improvements owned by a Public Utility	
							16 EXEMPT - Land and improvements owned by a Public Utility	
							17 EXEMPT - Land and improvements owned by a Public Utility	
							18 EXEMPT - Land and improvements owned by a Public Utility	
							19 EXEMPT - Land and improvements owned by a Public Utility	
							20 EXEMPT - Land and improvements owned by a Public Utility	
							21 EXEMPT - Land and improvements owned by a Public Utility	
							22 EXEMPT - Land and improvements owned by a Public Utility	
							23 EXEMPT - Land and improvements owned by a Public Utility	
							24 EXEMPT - Land and improvements owned by a Public Utility	
							25 EXEMPT - Land and improvements owned by a Public Utility	
							26 EXEMPT - Land and improvements owned by a Public Utility	
							27 EXEMPT - Land and improvements owned by a Public Utility	
							28 EXEMPT - Land and improvements owned by a Public Utility	
							29 EXEMPT - Land and improvements owned by a Public Utility	
							30 EXEMPT - Land and improvements owned by a Public Utility	
							31 EXEMPT - Land and improvements owned by a Public Utility	
							32 EXEMPT - Land and improvements owned by a Public Utility	
							33 EXEMPT - Land and improvements owned by a Public Utility	
							34 EXEMPT - Land and improvements owned by a Public Utility	
							35 EXEMPT - Land and improvements owned by a Public Utility	
							36 EXEMPT - Land and improvements owned by a Public Utility	
							37 EXEMPT - Land and improvements owned by a Public Utility	
							38 EXEMPT - Land and improvements owned by a Public Utility	
							39 EXEMPT - Land and improvements owned by a Public Utility	
							40 EXEMPT - Land and improvements owned by a Public Utility	
							41 EXEMPT - Land and improvements owned by a Public Utility	
							42 EXEMPT - Land and improvements owned by a Public Utility	
							43 EXEMPT - Land and improvements owned by a Public Utility	
							44 EXEMPT - Land and improvements owned by a Public Utility	
							45 EXEMPT - Land and improvements owned by a Public Utility	
							46 EXEMPT - Land and improvements owned by a Public Utility	
							47 EXEMPT - Land and improvements owned by a Public Utility	
							48 EXEMPT - Land and improvements owned by a Public Utility	
							49 EXEMPT - Land and improvements owned by a Public Utility	
							50 EXEMPT - Land and improvements owned by a Public Utility	
							51 EXEMPT - Land and improvements owned by a Public Utility	
							52 EXEMPT - Land and improvements owned by a Public Utility	
							53 EXEMPT - Land and improvements owned by a Public Utility	
							54 EXEMPT - Land and improvements owned by a Public Utility	
							55 EXEMPT - Land and improvements owned by a Public Utility	
							56 EXEMPT - Land and improvements owned by a Public Utility	
							57 EXEMPT - Land and improvements owned by a Public Utility	
							58 EXEMPT - Land and improvements owned by a Public Utility	
							59 EXEMPT - Land and improvements owned by a Public Utility	
							60 EXEMPT - Land and improvements owned by a Public Utility	
							61 EXEMPT - Land and improvements owned by a Public Utility	
							62 EXEMPT - Land and improvements owned by a Public Utility	
							63 EXEMPT - Land and improvements owned by a Public Utility	
							64 EXEMPT - Land and improvements owned by a Public Utility	
							65 EXEMPT - Land and improvements owned by a Public Utility	
							66 EXEMPT - Land and improvements owned by a Public Utility	
							67 EXEMPT - Land and improvements owned by a Public Utility	
							68 EXEMPT - Land and improvements owned by a Public Utility	
							69 EXEMPT - Land and improvements owned by a Public Utility	
							70 EXEMPT - Land and improvements owned by a Public Utility	
							71 EXEMPT - Land and improvements owned by a Public Utility	
							72 EXEMPT - Land and improvements owned by a Public Utility	
							73 EXEMPT - Land and improvements owned by a Public Utility	
							74 EXEMPT - Land and improvements owned by a Public Utility	
							75 EXEMPT - Land and improvements owned by a Public Utility	
							76 EXEMPT - Land and improvements owned by a Public Utility	
							77 EXEMPT - Land and improvements owned by a Public Utility	
							78 EXEMPT - Land and improvements owned by a Public Utility	
							79 EXEMPT - Land and improvements owned by a Public Utility	
							80 EXEMPT - Land and improvements owned by a Public Utility	
							81 EXEMPT - Land and improvements owned by a Public Utility	
							82 EXEMPT - Land and improvements owned by a Public Utility	
							83 EXEMPT - Land and improvements owned by a Public Utility	
							84 EXEMPT - Land and improvements owned by a Public Utility	
							85 EXEMPT - Land and improvements owned by a Public Utility	
							86 EXEMPT - Land and improvements owned by a Public Utility	
							87 EXEMPT - Land and improvements owned by a Public Utility	
							88 EXEMPT - Land and improvements owned by a Public Utility	
							89 EXEMPT - Land and improvements owned by a Public Utility	
							90 EXEMPT - Land and improvements owned by a Public Utility	
							91 EXEMPT - Land and improvements owned by a Public Utility	
							92 EXEMPT - Land and improvements owned by a Public Utility	
							93 EXEMPT - Land and improvements owned by a Public Utility	
							94 EXEMPT - Land and improvements owned by a Public Utility	
							95 EXEMPT - Land and improvements owned by a Public Utility	
							96 EXEMPT - Land and improvements owned by a Public Utility	
							97 EXEMPT - Land and improvements owned by a Public Utility	
							98 EXEMPT - Land and improvements owned by a Public Utility	
							99 EXEMPT - Land and improvements owned by a Public Utility	
							100 EXEMPT - Land and improvements owned by a Public Utility	

wayprcc.txt:3825

03/19/2003 003673

Approved for Marion County By DLGF 2003

IMPROVEMENT DATA AND COMPUTATION - MARION COUNTY LOCATION MULTIPLIER 100%

NO. OF UNITS	
AV. UNIT SIZE	
ROOFING	
WALLS	
METAL	XXX
FRAMING	
WOOD JOIST	
FIRE RESISTANT	XXX
FIREPROOF STEEL	
REIN. CONCRETE	
FLOORS	
CONCRETE	
WOOD	
TILE OR CARPET	
FINISH TYPE	
UNFINISHED	XX
SEMI-FINISHED	
FINISHED OPEN	
FINISHED DIVIDED	
USE	
999 ENTRY	X
LU STORAG	X
LU STORAG	X
HEATING & AIR COND	
HEAT	XXX
AIR	XXX
SPRINKLER	YNN

USE TYPE	999 ENTRY	LU STORAG	LU STORAG
PRICING KEY	1	1	1
S.F. AREA	82503	1716	444
EFF. PERIM.	1322 L/F	2 L/F	2 L/F
P.A.R		2	2
FLOOR	HGT	RATE	HGT
01/01	08	18.65	08
01/01			18.65
FL. FL.			
FRAME ADJ.		-3.00	-3.00
WALL HT. ADJ.		15.65	15.65
BASE PRICE		100.00	100.00
BPA %		15.65	15.65
SUB-TOTAL		14.15	14.00
UNIT FINISH			
INT. FINISH		- .75	- .75
DIVISION WALLS		- .75	- .75
LIGHTING		- .75	- .75
HEATING			
AIR CONDITIONING			
SPRINKLER		14.15	14.00
S.F. PRICE	82503	1716	444
AREA		24280	6220
SUB-TOTAL		8050	
PLUMBING			
SPECIAL FEATURES			
EXT. FEATURES		32330	6220
TOTAL BASE		1.00	1.00
GRADE FACTOR		32330	6220
REPLACEMENT COST		65	65
NORMAL DEPR		113.25	2177
REMAINDER VALUE		25	25
OBOL. DEPR		8487	1633
NET TTV			

PLUMBING	VALUE	DESCRIPTION	VALUE	DESCRIPTION	VALUE
		INDUST CNPY 1 010X0048	2900		
		INDUST CNPY 1 006X0008	290		
		TRKWEEL:A-PA 1 048X0045	4860		
					8050

SUMMARY OF IMPROVEMENTS

USE	STY	NO. UNITS	GRADE	YEAR CONST	EFF. YEAR	COND	TOTAL NET TTV	% COMP	TRUE TAX VALUE
LU STORAGE	1	01	C	1955	1977	AV	10100	100	10100

OTHER BUILDING & YARD IMPROVEMENTS

ID	USE	STY	NO. UNITS	GRADE	YEAR CONST	EFF. YEAR	COND	BASE RATE	FEATURES	ADJ. RATE	SIZE OF AREA	REPLACEMENT COST	NORMAL DEPR.	REMAINDER VALUE	OBOL. DEPR.	TRUE TAX VALUE
01																
02																
03																
04																
05																
06																
07																
08																
09																
10																

GROSS IMPR

DATA COLLECTION/DATE APPRAISER/DATE DATE PRINTED

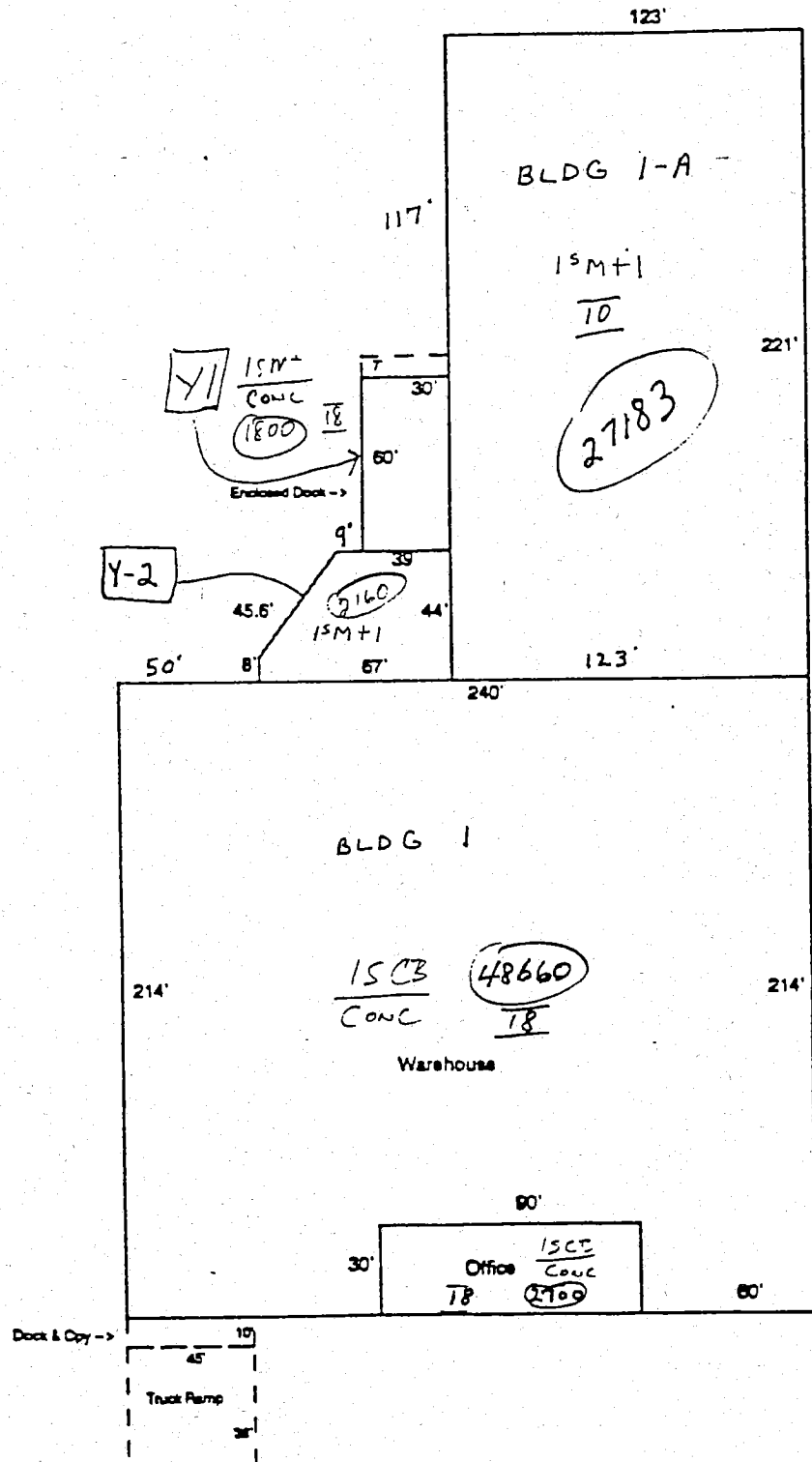
MARION COUNTY, INDIANA - 2002

TOTAL TRUE TAX IMPROVEMENT VALUE 10100

AMMH001280

PARCEL 9035493

PLANT #10



wayproc.1x16.18AMMH001282

VECTORS

VECTORS

DESCRIPTION

FLRS

DESCRIPTION

TOTAL $\phi = 15,815 \phi$
EFFECTIVE PERIMETER = 652

702

704

706

708

710

751

753

755

757

759

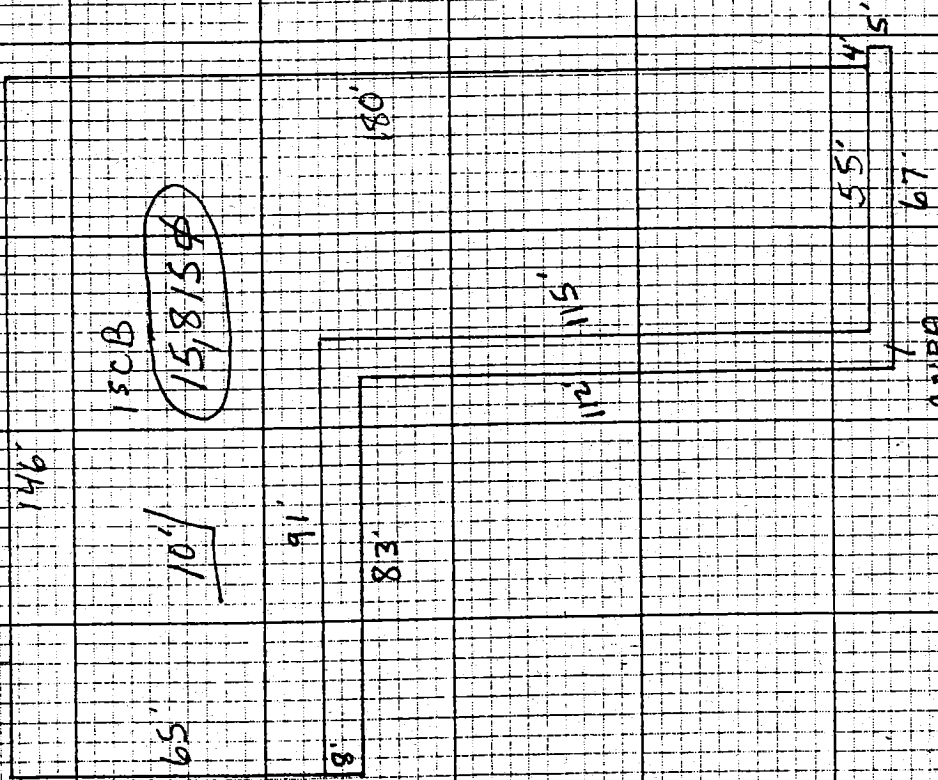
762

764

766

768

760



CNPA

1919

AIMCO MICHIGAN MEADOWS HOLDINGS LLC PROPERTY TAX #101 BOX 4900 TSDALE, AZ 85261

PT S1/2 NW1/4 S5 T15 R3 BEG 812.95S OF MID E OF SEC; S735.11', W416.71', W100.51', W180', NW73.7', NE253.04', NE197.87', NE40', NE120.15', NE44.72', NW78.61', SE734.48' TO POB. 13.086AC.

3800 W MICHIGAN ST PROPERTY ADDRESS 900 9-010112 01/06 N-9-063.A F:100

TAX DISTRICT PARCEL NUMBER CARD OF CARD

49 0900

COUNTY TOWNSHIP

PARCEL TIEBACK TYPE

NOTE MICHIGAN MEADOWS APTS. STORAGE BLDG.

MEMORANDUM CY 2002 GAD SC 6/26/2000 1 1 12/20/2002 6 3

200400 2202200

2001

ASSESSMENT YEAR 2002

TRUE TAX VALUE LAND 273800 IMPV 2885800 TOTAL 3159600

EQUALIZATION 100

ASSESSED VALUE LAND 273800 IMPV 2885800 TOTAL 3159600

LAND AND DATA COMPUTATIONS

LOT TYPE	ACTUAL FRONTAGE	EFFECT. FRONTAGE	EFFECT. DEPTH	DEPTH FACTOR	BASE RATE	ADJUSTED RATE	EXTENDED VALUE	INFLUENCE FACTOR	TRUE TAX VALUE
1 PRIMARY	10.362				25500	25500.00	264230	00	264230
2 UNDEVELOPED	0.870				2178	2178.00	1890	00	1890
3 UNDEVELOPED	1.854				7650	7650.00	14180	6 - 46	7660

GROSS LAND LAND DENSITY UNIT RATE

TOTAL MEASURED ACREAGE TOTAL TRUE TAX LAND VALUE 273800

waypcc.txt:8-118 03/19/2003 001452 Approved for Marion County By DLGF 2003

IMPROVEMENT DATA AND COMPUTATION- MARION COUNTY LOCATION MULTIPLIER 100%

NO. OF UNITS	AV. UNIT SIZE	ROOFING	WALLS	BRICK	FRAMING	WOOD JOIST	FIRE RESISTANT	FIREPROOF STEEL	REINFC. CONCRETE	FLOORS	CONCRETE	WOOD	TILE OR CARPET	FINISH TYPE	UNFINISHED	SEMI-FINISHED	FINISHED OPEN	FINISHED DIVIDED	USE	U STORAGE

USE TYPE	U STORAGE	PRICE KEY	M	S.F. AREA	1312	EFF. PERIM.	176 LF	P.A.R	13											
FLOOR	01/01	HGT	09	RATE	57.51	HGT		RATE		HGT		RATE		HGT		RATE		HGT		RATE

EL FL	FRAME ADJ.	WALL HT ADJ.	BASE PRICE	BPA %	SUB-TOTAL	UNIT FINISH	INT. FINISH	DIVISION WALLS	LIGHTING	HEATING	AIR CONDITIONING	SPRINKLER	S.F. PRICE	AREA	SUB-TOTAL	PLUMBING	SPECIAL FEATURES	EXT. FEATURES	TOTAL BASE	GRADE FACTOR	REPLACEMENT COST	NORMAL DEPR.	REMAINDER VALUE	OBSQL DEPR.	NET TTV
	-1.57	-12.95	42.99	100.00	42.99								42.99	1312	56400	22100			78500	1.00	78500	80	344	300	16000

DESCRIPTION	VALUE	DESCRIPTION	VALUE	DESCRIPTION	VALUE
PLMB FIX:COM	22100				

SUMMARY OF IMPROVEMENTS

USE	STY	NO. UNITS	GRADE	YEAR CONST	EFF. YEAR	COND	TOTAL NET TTV	% COMP	TRUE TAX VALUE
U STORAGE		1	01 C	1965		AV	14900	100	14900

OTHER BUILDING & YARD IMPROVEMENTS

IO	USE	STY	NO. UNITS	GRADE	YEAR CONST	EFF. YEAR	COND	BASE RATE	FEATURES	ADJ. RATE	SIZE OF AREA	REPLACEMENT COST	NORMAL DEPR.	REMAINDER VALUE	OBSQL DEPR.	TRUE TAX VALUE
01	WADING POOL		1	C	1965	FR		7.70		7.70	224	1720	80	344	300	16000
02	POOL/MOTEL/APT		1	C	1965	FR		44.50		44.50	1800	80100	80	16020	2500	71800
03	CONCRETE APRON		1	C	1965	FR		3.10		3.10	4100	12710	80	1826	2400	2400
04	PAVING ASPHALT		1	C	1995	FR		1.40		1.40	85500	119700	40	2399		
05	FENCING:G-CL 7G		5	C	1995	AV		8.25	1	9.70	380	3690	35			

AIMCO MICHIGAN MEADOWS HOLDINGS LLC C/O PROPERTY TAX DEPT #101 P O BOX 4900 COTTSDALE, AZ 85261

PT S1/2 NW1/4 S5 T15 R3 BEG 812.95S OF MID E OF SEC; S735.11', W416.71', W100.5', W180', NW73.7', NE253.04', NE197.87', NE40', NE120.15', NE44.72', NW78.61', SE734.48' TO POB. 13.086AC.

3800 W MICHIGAN

PROPERTY ADDRESS 900 9-010112 04/06 N:9-063.A F:100

TAX DISTRICT PARCEL NUMBER CARD OF CARD

49 0900 403 403

COUNTY TOWNSHIP USE CODE PR. CLASS

99999 X

PARCEL TIERBACK TYPE SUBDIVISION

NOTE BLDG #1,2,3,4, 10,12,13,14,15

MEMORANDUM CY 2002 6/26/2000 1 1 GAD 7/07/2000 1 1 GAD

200400 2202200

2001

TRANSFER OF OWNERSHIP TYPE DEED DATE FILE DATE

ASSESSMENT YEAR

TRUE TAX VALUE LAND IMPV TOTAL

EQUALIZATION ASSESSED VALUE LAND IMPV TOTAL

LAND AND DATA COMPUTATIONS

LOT TYPE ACTUAL FRONTAGE EFFECT. DEPTH DEPTH FACTOR BASE RATE ADJUSTED RATE EXTENDED VALUE INFLUENCE FACTOR TRUE TAX VALUE

SO. FT. SQ. FT. SQ. FT. SQ. FT. CONDO PRICING

LAND TYPE SOIL ID ACREAGE PROD FACTOR BASE RATE ADJUSTED RATE EXTENDED VALUE INFLUENCE FACTOR TRUE TAX VALUE

GROSS LAND LAND DENSITY UNIT RATE

TOTAL MEASURED ACREAGE

TOTAL TRUE TAX LAND VALUE 0

03/19/2003 001455 Approved for Marion County By DLGF 2003

PROPERTY CLASS AND SUBCLASS CODES

1 MINERAL - Valued for several mineral rights at \$ 80 per Acre

2 INDUSTRIAL - Land and improvements used for Manufacturing, Processing, or Refining Food or Materials

3 COMMERCIAL - Land and improvements used for General Commercial and Recreational Purposes

4 PUBLIC UTILITY - Land and improvements owned by a Public Utility

IMPROVEMENT DATA AND COMPUTATION- MARION COUNTY LOCATION MULTIPLIER 100%

NO. OF UNITS 11

AV. UNIT SIZE 1021

ROOFING

WALLS

CONC BLOCK

BRICK

FRAMING

WOOD JOIST

FIRE RESISTANT

FIREPROOF STEEL

REINF. CONCRETE

FLOORS

CONCRETE

WOOD

TILE OR CARPET

FINISH TYPE

UNFINISHED

SEMI-FINISHED

FINISHED OPEN

FINISHED DIVIDED

USE

APARTMENT

APARTMENT

APARTMENT

APARTMENT

HEATING & AIR COND.

HEAT

AIR

SPRINKLER

USE TYPE APARTMENT APARTMENT APARTMENT APARTMENT

PRICING KEY R R R R

S.F. AREA 1872 1872 3744 3744

EFF. PERIM. 288 LF 288 LF 288 LF 288 LF

P.A.R. 8 8 8 8

FLOOR HGT. RATE HGT. RATE HGT. RATE HGT. RATE

B1/B1 09 34.70 09 36.50 09 43.65 09 37.65

B1/B1 01/01 02/02

EL FL

FRAME ADJ.

WALL HT ADJ.

BASE PRICE 34.70 36.50 43.65 37.65

BPA% 100.00 100.00 100.00 100.00

SUB-TOTAL 34.70 36.50 43.65 37.65

UNIT FINISH 5.05 5.05 5.05 5.05

INT. FINISH

DIVISION WALLS

LIGHTING

HEATING

AIR CONDITIONING

SPRINKLER

S.F. PRICE 39.75 41.55 48.70 42.70

AREA 1872 1872 3744 3744

SUB-TOTAL 74410 77780 182330 159870

PLUMBING

SPECIAL FEATURES

EXT. FEATURES

TOTAL BASE 74410 81980 182330 159870

GRADE FACTOR 30 30 30 30

REPLACEMENT COST 66970 73780 164100 143880

NORMAL DEPR. 69 69 69 69

REMAINDER VALUE 20781 22872 50871 44603

OBSOL DEPR. 5 5 5 5

NET TTV 19723 21728 48327 42373

PLUMBING DESCRIPTION VALUE DESCRIPTION VALUE

PLMB FIX:RES 2 1400 CANOPY 2 006X0010 400

BALCONY 4 004X0007 2400

4200

SUMMARY OF IMPROVEMENTS

USE STY HGT NO. UNITS GRADE YEAR CONST EFF. YEAR COND

APARTMENT 2 09 D+2 1962 AV

TOTAL NET TTV 132200 % COMP 100 TRUE TAX VALUE 1189800

OTHER BUILDING & YARD IMPROVEMENTS

ID USE STY HGT NO. UNITS GRADE YEAR CONST EFF. YEAR COND BASE RATE FEATURES ADJ. RATE SIZE OF AREA REPLACEMENT COST NORMAL DEPR. REMAINDER VALUE OBSOL. DEPR. TRUE TAX VALUE

01

02

03

04

05

06

07

08

09

10

AIMCO MICHIGAN MEADOWS HOLDINGS LLC C/O PROPERTY TAX DEPT #101 P O BOX 4900 SCOTTSDALE, AZ 85261

PT S1/2 NW1/4 S5 T16 R3 BEG 812.95S OF MID E OF SEC 8, S735.11', W416.71', W100.5', W180', NW73.7', NE253.04', NE197.87', NE 40' NE120.15', NE44.72', NW78.61', SE734.48' TO POB. 13.086AC.

3800 W MICHIGAN

900 TAX DISTRICT 9-010112 PARCEL NUMBER 05/06 CARD OF CARD N:9-063.A F:100

49 COUNTY 0900 TOWNSHIP

403 403 USE CODE PR. CLASS

99999 X SUBDIVISION

NOTE BLDG #19

MEMORANDUM 6/26/2000 1 1 2002 7/07/2000 1 1 GAD GAD

200400 2202200

TRANSFER OF OWNERSHIP TYPE DEED DATE FILE DATE

ASSESSMENT YEAR

TRUE TAX VALUE LAND IMPV TOTAL

EQUALIZATION ASSESSED VALUE LAND IMPV TOTAL

LAND AND DATA COMPUTATIONS

LOT TYPE ACTUAL FRONTAGE EFFECT FRONTAGE EFFECT DEPTH DEPTH FACTOR BASE RATE ADJUSTED RATE EXTENDED VALUE INFLUENCE FACTOR TRUE TAX VALUE

SO. FT. %

SO. FT. %

SO. FT. %

SO. FT. %

CONDO PRICING

LAND TYPE SOIL ID ACREAGE PROD FACTOR BASE RATE ADJUSTED RATE EXTENDED VALUE INFLUENCE FACTOR TRUE TAX VALUE

%

%

%

%

%

GROSS LAND LAND DENSITY UNIT RATE

TOTAL MEASURED ACREAGE

TOTAL TRUE TAX LAND VALUE 0

03/19/2003 001456 Approved for Marion County By DLGF 2003

WMA-6-112

IMPROVEMENT DATA AND COMPUTATION - MARION COUNTY LOCATION MULTIPLIER 100%

NO. OF UNITS 11

AV. UNIT SIZE 1021

ROOFING

WALLS

CONC BLOCK

BRICK

FRAMING

WOOD JOIST

FIRE RESISTANT

FIREPROOF STEEL

REIN. CONCRETE

FLOORS

CONCRETE

WOOD

TILE OR CARPET

FINISH TYPE

UNFINISHED

SEMI-FINISHED

FINISHED OPEN

FINISHED DIVIDED

USE

APARTMENT

APARTMENT

APARTMENT

APARTMENT

HEATING & AIR COND.

HEAT

AIR

SPRINKLER

USE TYPE

PRICING KEY

S.F. AREA

EFF. PERIM.

P.A.R.

FLOOR

B1/B1

B1/B1

01/01

02/02

EL. PL.

FRAME ADJ.

WALL HT ADJ.

BASE PRICE

SPRINK

SUB-TOTAL

UNIT FINISH

INT. FINISH

DIVISION WALLS

LIGHTING

HEATING

AIR CONDITIONING

SPRINKLER

S.F. PRICE

AREA

SUB-TOTAL

PLUMBING

SPECIAL FEATURES

EXT. FEATURES

TOTAL BASE

GRADE FACTOR

REPLACEMENT COST

NORMAL DEPR.

REMAINDER VALUE

OBSOL. DEPR.

NET TTV

2800

PLUMBING

DESCRIPTION

VALUE

DESCRIPTION

VALUE

DESCRIPTION

VALUE

DESCRIPTION

VALUE

SUMMARY OF IMPROVEMENTS

USE

STY

HGT

NO. UNITS

GRADE

YEAR CONST

EFF. YEAR

COND

AV

TOTAL NET TTV

% COMP

TRUE TAX VALUE

131800

100

131800

OTHER BUILDING & YARD IMPROVEMENTS

ID

USE

STY

HGT

NO. UNITS

GRADE

YEAR CONST

EFF. YEAR

COND

BASE RATE

FEATURES

ADJ. RATE

SIZE OF AREA

REPLACEMENT COST

NORMAL DEPR.

REMAINDER VALUE

OBSOL. DEPR.

TRUE TAX VALUE

--9-010112

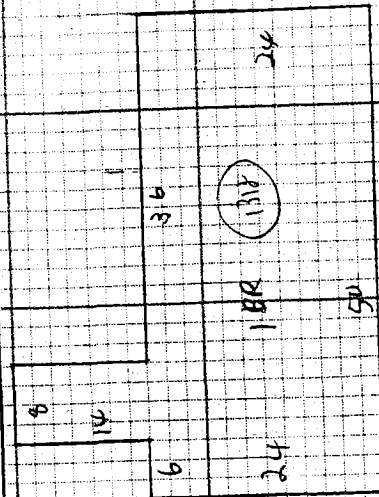
MAP

OUTING

VECTORS	VECTORS	FLRS	DESCRIPTION	FLRS	DESCRIPTION
702		751		752	
704		753		754	
706		755		756	
708		757		758	
710		759		760	

APTS. & CLUB HOUSE

MICHIGAN MEADOWS



2 BR
3
2952

82
CARDS 2 + 3

1 BR
3
3744

164
CARDS 4 + 5

CLUB HOUSE 11



Appendix H



Appendix H

C.I., LLC, April 1999, Environmental Site Assessment, Michigan Apartments, Indianapolis, IN

Appendix H

C.I., LLC, April 1999, Environmental Site Assessment, Michigan Apartments, Indianapolis, IN

Environmental Site Assessment

**Michigan Apartments
3800 West Michigan Street
Indianapolis, Indiana**

**CI Project No.: 0027-0027-19-Ph I AIM
Date of Report: April 27, 1999**

Prepared for:

**AIMCO
1873 South Bellaire Street, Suite 1700
Denver, Colorado 80222
Mr. Mark Reoch**

SITE SUMMARY

**Michigan Apartments
3800 Michigan Street
Indianapolis, Indiana**

CI Project No.: 0027-0027-19-Ph I AIM

Date of Report: April 27, 1999

Assessment Component	Acceptable	Routine Solution	Phase II	Estimated Cost \$	Reference Section	Page
Surface Areas	✓				2.1.2	5
Operational Activities	✓				2.2	6
Hazardous Materials	✓				2.3	6
Waste Generation	✓				2.4	6
Storage Tanks/Pipelines	✓				2.5	7
Asbestos		(1)		\$350	2.6	7
PCBs	✓				2.7	7
Radon Gas		(2)		\$350	2.8	8
Lead-Based Paint	✓				2.9	8
Lead in Water	✓				2.10	9
Historical Review	✓				4	12
Regulatory Database Review		(3)		\$700-1200	5	14
Adjacent Properties	✓				6	17

§ Costs depicted are for investigation/program development activities. Remediation costs, if required, will be identified as a result of the activities.

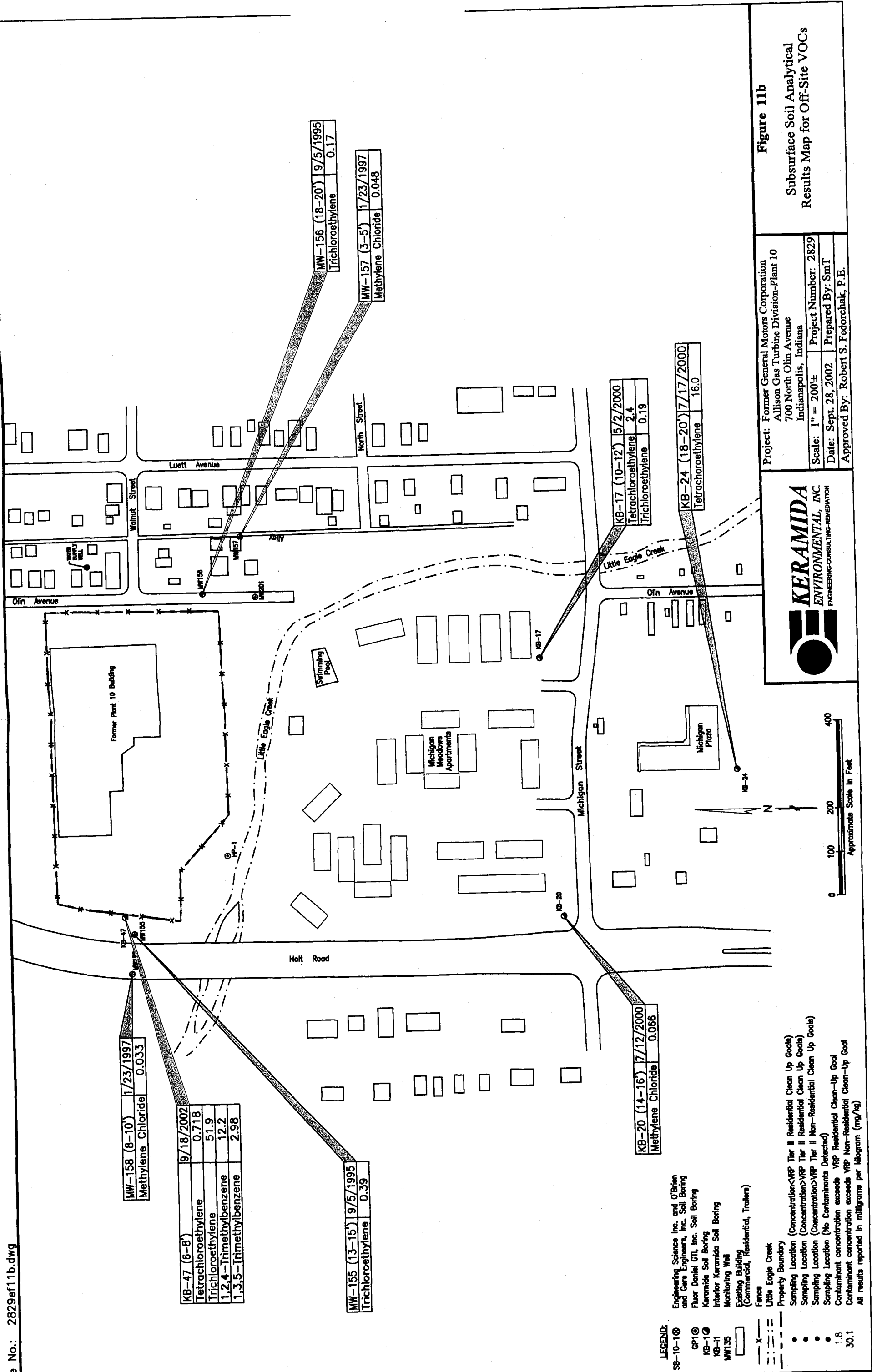
- (1) The development and implementation of an Asbestos Operations and Maintenance (O&M) Program.
- (2) Radon retesting should be conducted.
- (3) The review of file information at IDEM to determine impact to the Project from the LUST site identified at the Project address.

Appendix I

Keramida Remediation Work Plan – COC Figures

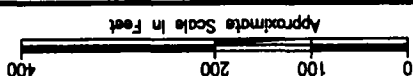
Appendix I

Keramida Remediation Work Plan – COC Figures



Project: Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olm Avenue Indianapolis, Indiana	Scale: 1" = 200'	Project Number: 2829	Date: Sept. 26, 2002	Prepared By: Smt	Approved By: R. S. Fedorchak, P.E.
--	------------------	----------------------	----------------------	------------------	------------------------------------

Figure 12a
Shallow Groundwater Analytical
Results Map for Trichloroethene




All results reported in micrograms per liter (ug/L)


LEGEND:


KB-10 ●


KB-11


MM135










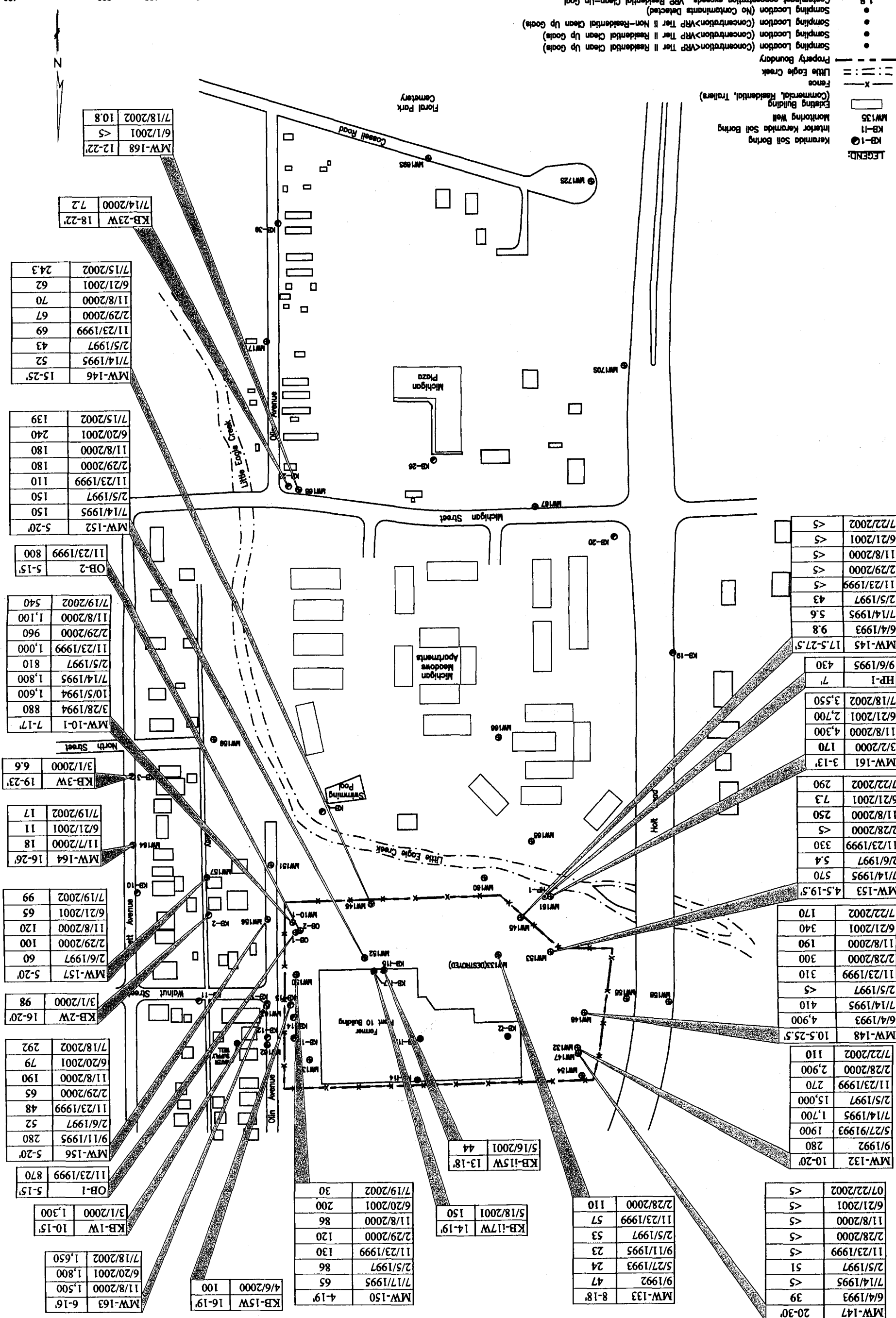


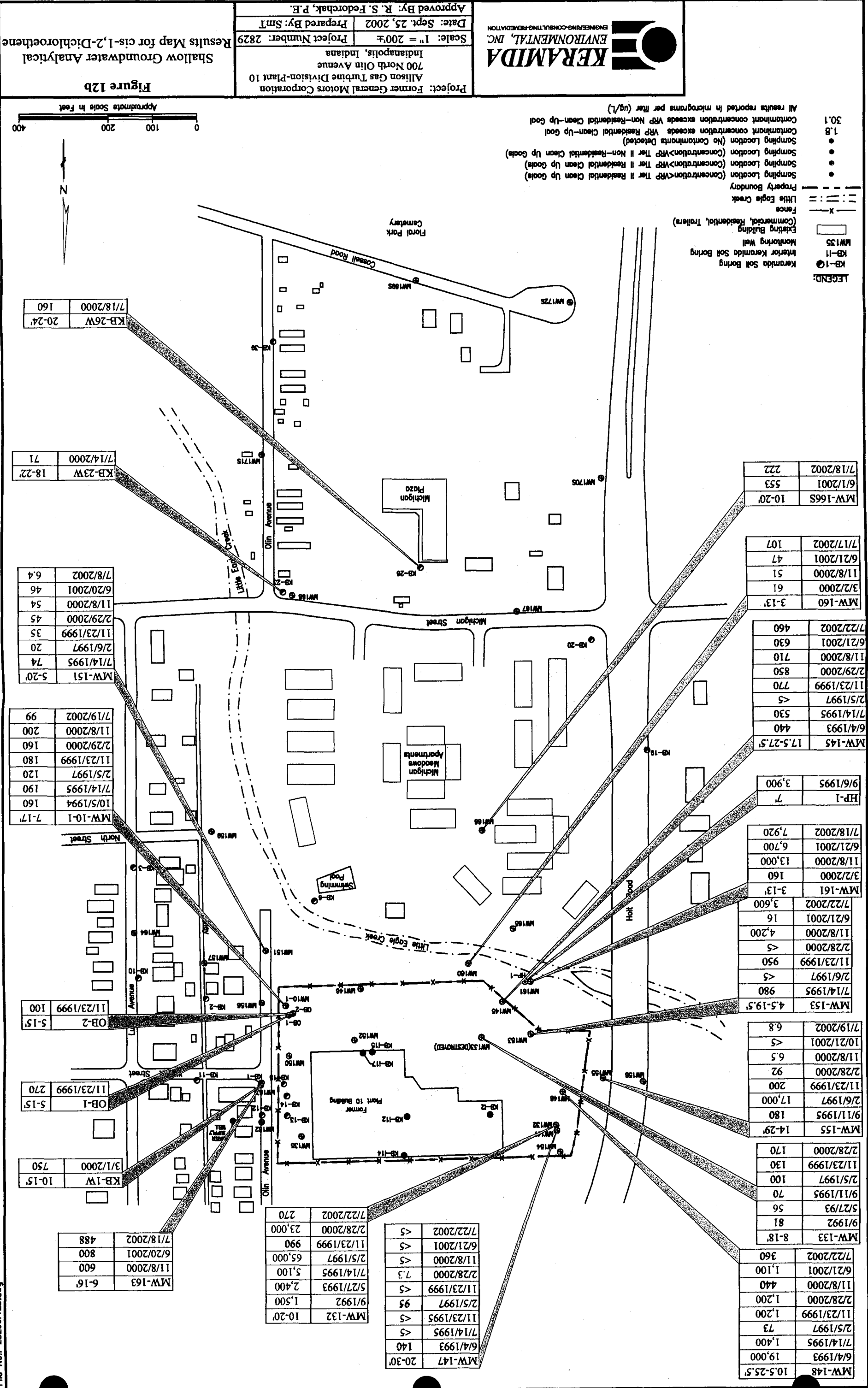












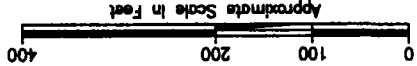




ENGINEERING-CONSULTING-REMEDIATION

Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana
Scale: 1" = 200'
Date: Sept. 26, 2002
Prepared By: Smt
Approved By: R. S. Fedorchak, P.E.

Shallow Groundwater Analytical
Results Map for PAHs
Figur 12d



All results reported in micrograms per liter (ug/L)
Contaminant concentration exceeds VRF Non-Residential Clean-Up Goal
Sampling Location (Concentration>VRF Tier II Residential Clean Up Goals)
Sampling Location (Concentration>VRF Tier II Residential Clean Up Goals)
Sampling Location (Concentration>VRF Tier II Non-Residential Clean Up Goals)
Sampling Location (No Contaminants Detected)
Contaminant concentration exceeds VRF Residential Clean-Up Goal

30.1
1.8
●
●
●
●

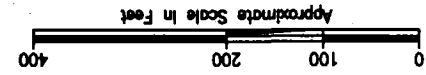
LEGEND:
KB-1
MW135
Monitoring Well
Existing Building
(Commercial, Residential, Trailers)
Fence
Property Boundary
Little Eagle Creek

MW-169S (15-25)	7/17/2002
Benzo (a) anthracene	0.54
Benzo (a) pyrene	0.76
Benzo (b) fluoranthene	0.69
Benzo (ghi) perylene	0.75
Benzo (k) fluoranthene	0.37
Chrysene	0.68
Dibenzo (a,h) anthracene	0.41
Fluoranthene	1.21
Dibenzo (a,h) anthracene	0.43
Pyrene	0.99

MW-162 (10-20)	6/20/2001	7/18/2002
Benzo (a) anthracene	0.27	0.14
Benzo (a) pyrene	0.32	0.23
Benzo (b) fluoranthene	0.46	0.24
Benzo (ghi) perylene	<0.76	0.22
Chrysene	0.43	<0.20
Dibenzo (a,h) anthracene	0.33	<0.10
Fluoranthene	<2.1	0.28
Indeno(1,2,3-cd)pyrene	0.35	<0.20
Pyrene	<2.7	0.26

Project: Former General Motors Corporation	
Allison Gas Turbine Division-Plant 10	
700 North Olm Avenue	
Indianapolis, Indiana	
Scale: 1" = 200'	Project Number: 2829
Date: Sept. 26, 2002	Prepared By: Smt
Approved By: R. S. Fedorchak, P.E.	

Figure 12e
Shallow Groundwater Analytical
Results Map for Lead



LEGEND:

KB-1 ● Karamida Soil Boring

MN135 □ Monitoring Well

Estating Building
(Commercial, Residential, Trailers)

—x— Fence

== : == Little Eagle Creek

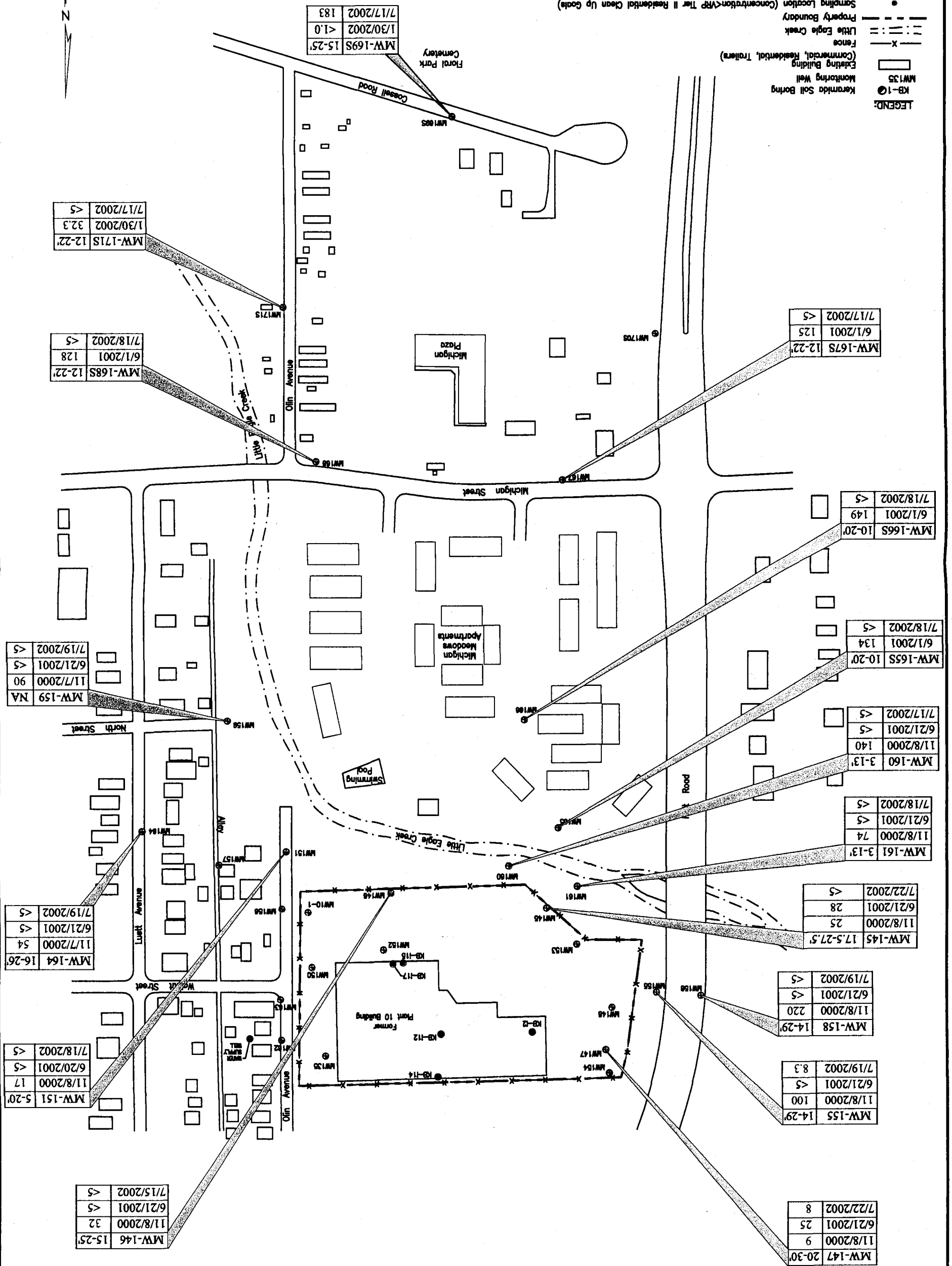
----- Property Boundary

● Sampling Location (Concentration < 1.5 Contaminant concentration exceeds 30.1

● Sampling Location (Concentration > 1.5 Contaminant concentration exceeds 30.1

● Sampling Location (No Contaminant concentration exceeds 30.1

All results reported in micrograms

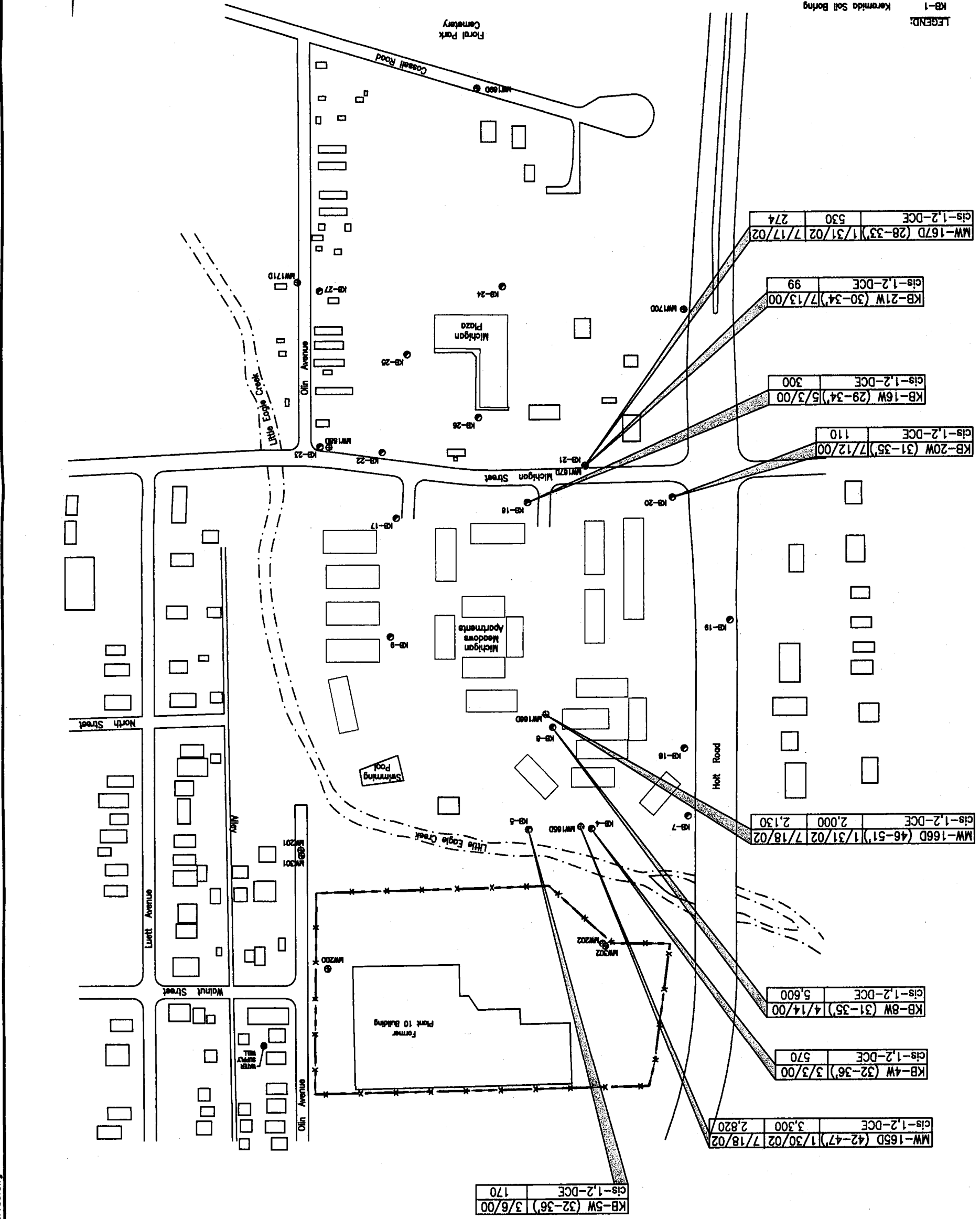
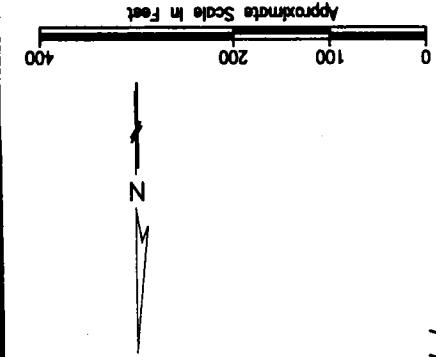




Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana
Scale: 1" = 200'
Date: Sept. 25, 2002
Prepared By: SMT
Approved By: R. S. Fedorchak, P.E.
Project Number: 2829

Deep Groundwater Analytical
Results Map for cis-1,2-Dichloroethene
Figure 13a

- LEGEND:
- KB-1 Keramida Soil Boring
 - MW135 Monitoring Well
 - Existing Building (Commercial, Residential, Trailers)
 - Fence
 - Little Eagle Creek
 - Property Boundary
 - Sampling Location (Concentration < VRF Tier II Residential Clean Up Goals)
 - Sampling Location (Concentration > VRF Tier II Residential Clean Up Goals)
 - Sampling Location (No Contaminants Detected)
 - Contaminant concentration exceeds VRF Non-Residential Clean-Up Goal
 - 30.1
 - 1.8
- All results reported in micrograms per liter (ug/L)





Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana
Scale: 1" = 200'
Date: Sept. 25, 2002
Prepared By: SMT
Approved By: R. S. Fedorchak, P.E.
Project Number: 2829

Figure 13b
Deep Groundwater Analytical
Results Map for Vinyl Chloride

- LEGEND:
- KB-10 Keramida Soil Boring
 - KB-15 Monitoring Well
 - KB-35 Existing Building
 - KB-36 (Commercial, Residential, Trailers)
 - KB-37 Fence
 - KB-38 Little Eagle Creek
 - KB-39 Property Boundary
 - KB-40 Sampling Location (Concentration <VRP Tier II Residential Clean Up Goal)
 - KB-41 Sampling Location (Concentration >VRP Tier II Residential Clean Up Goal)
 - KB-42 Sampling Location (No Contaminants Detected)
 - KB-43 Contaminant concentration exceeds VRP Non-Residential Clean-Up Goal
 - KB-44 Contaminant concentration exceeds VRP Non-Residential Clean-Up Goal
- All results reported in micrograms per liter (ug/L)

MW-302 (45-55)	2/6/97	11/23/99	2/28/00	11/8/00	6/21/01	7/22/02	Vinyl chloride	<10	<5	<5	<2	<2	3.3
----------------	--------	----------	---------	---------	---------	---------	----------------	-----	----	----	----	----	-----

MW-165D (42-47)	1/30/00	7/18/02	1,500	973	Vinyl chloride
-----------------	---------	---------	-------	-----	----------------

KB-4W (32-36)	3/3/00	140	Vinyl chloride
---------------	--------	-----	----------------

KB-8W (31-35)	4/14/00	640	Vinyl chloride
---------------	---------	-----	----------------

MW-166D (46-51)	1/31/2002	7/18/2002	730	563	Vinyl chloride
-----------------	-----------	-----------	-----	-----	----------------

KB-20W (31-35)	7/12/00	97	Vinyl chloride
----------------	---------	----	----------------

KB-16W (29-34)	5/3/00	160	Vinyl chloride
----------------	--------	-----	----------------

KB-21W (30-34)	7/13/00	310	Vinyl chloride
----------------	---------	-----	----------------

MW-167D (28-33)	1/31/02	7/17/02	390	253	Vinyl chloride
-----------------	---------	---------	-----	-----	----------------

MW-170D (34-39)	1/31/02	7/17/02	80	66	Vinyl chloride
-----------------	---------	---------	----	----	----------------

KB-24W (32-36)	7/17/00	29	Vinyl chloride
----------------	---------	----	----------------

KB-5W (32-36)	3/6/00	23	Vinyl chloride
---------------	--------	----	----------------

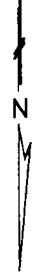
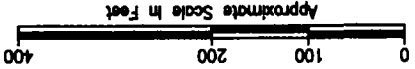
MW-169D (32-37)	1/30/02	7/17/02	8.7	6.4	Vinyl chloride
-----------------	---------	---------	-----	-----	----------------

KB-25W (32-36)	7/18/00	3	Vinyl chloride
----------------	---------	---	----------------

KB-26W (32-36)	7/18/00	53	Vinyl chloride
----------------	---------	----	----------------

KB-17W (24.5-29.5)	5/3/00	39	Vinyl chloride
--------------------	--------	----	----------------

KB-9W (35-40)	4/14/00	15	Vinyl chloride
---------------	---------	----	----------------



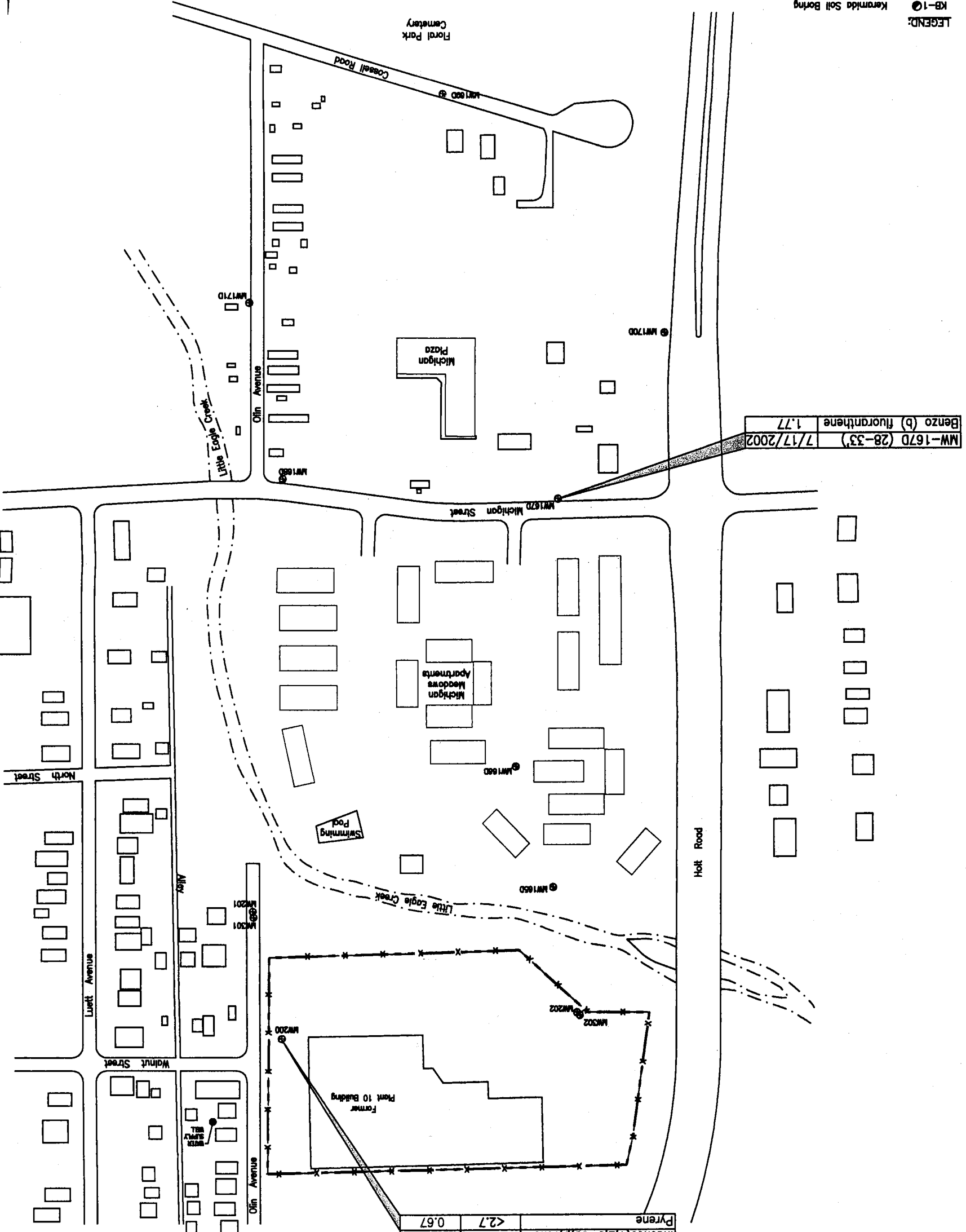
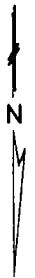
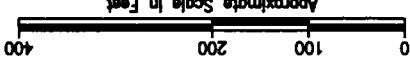


Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana
Scale: 1" = 200'
Date: Sept. 25, 2002
Prepared By: Smt
Approved By: R. S. Fedorchak, P.E.

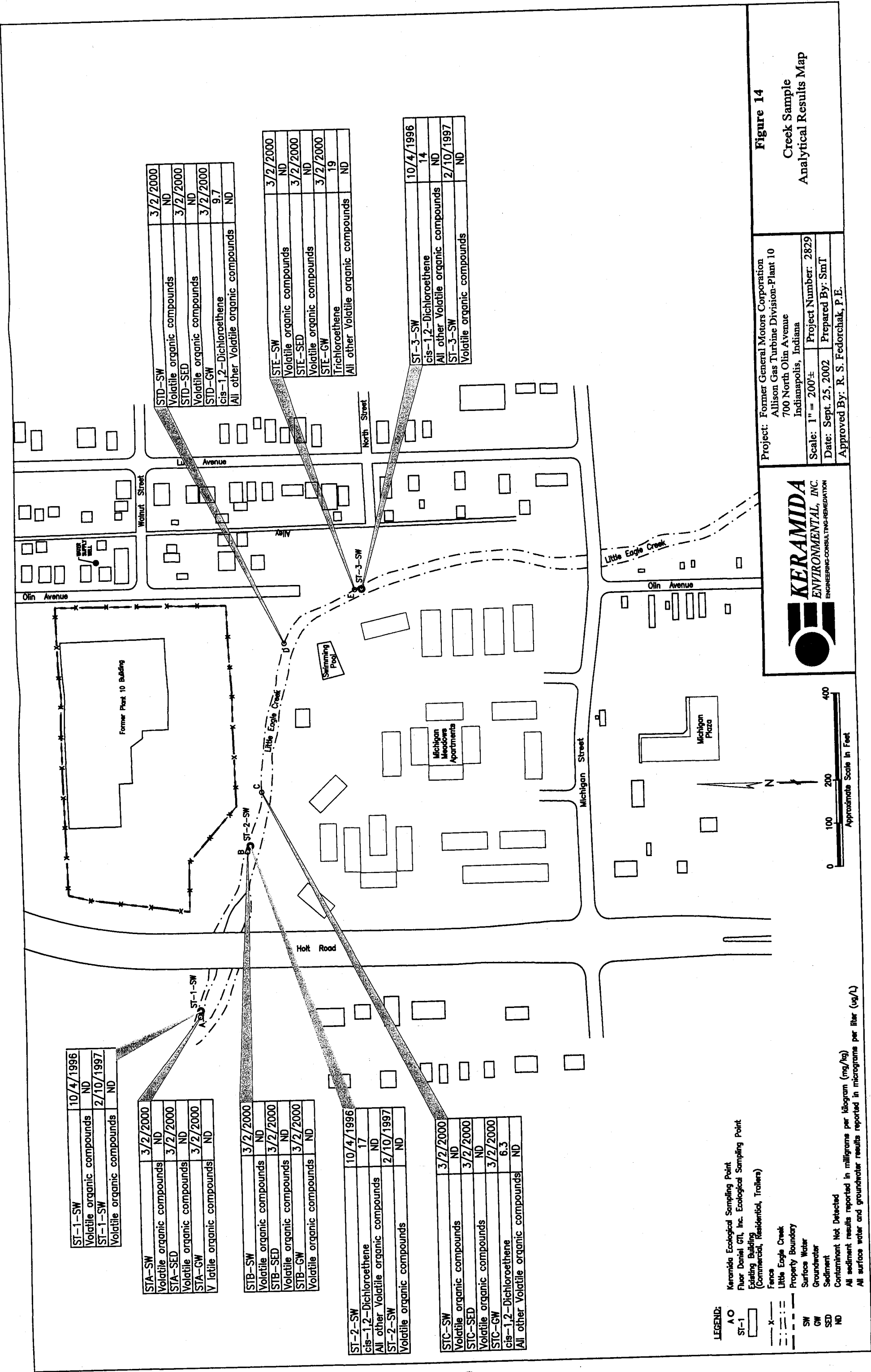
Figure 13c
Deep Groundwater Analytical
Results Map for PAHs

- LEGEND:
- Keramida Soil Boring
 - KB-1
 - MW135
 - Monitoring Well
 - Existing Building
 - (Commercial, Residential, Trailers)
 - Fence
 - Property Boundary
 - Little Eagle Creek
 - Sampling Location (Concentration <VRP Tier II Residential Clean Up Goals)
 - Sampling Location (Concentration >VRP Tier II Residential Clean Up Goals)
 - Sampling Location (No Contaminants Detected)
 - Sampling Location (Concentration >VRP Tier II Non-Residential Clean Up Goals)
 - Contaminant concentration exceeds VRP Non-Residential Clean-Up Goal
 - 30.1
 - 1.8

All results reported in micrograms per liter (ug/L)



6/20/01	8/8/02	Benzo (a) anthracene	0.35	0.28
		Benzo (a) pyrene	0.34	0.35
		Benzo (b) fluoranthene	0.53	0.35
		Benzo (ghi) perylene	<0.76	0.41
		Benzo (k) fluoranthene	0.31	<0.20
		Chrysene	0.57	0.41
		Dibenzo (a,h) anthracene	0.21	0.39
		Fluoranthene	<2.1	0.87
		Indene(1,2,3-cd)pyrene	0.34	0.25
		Pyrene	<2.7	0.67



Appendix J

IDEM Files

Appendix J

IDEM Files

OFFICE OF SOLID AND HAZARDOUS WASTE
1995 BIENNIAL HAZARDOUS WASTE REPORT

EPA ID IND 000 806 810 COUNTY MARION

HANDLER HALLISON ENGINE CO., INC. - PLT. 10

Date Received 4/1/96

Database ID IN 895A

Date Logged in 4/3/96

Data entry date 4/12/96 by Rat

WM Reviewed 1/1 by _____

Date Proofed 4/16/96 by Rat

WM entry 1/1 by _____

Basic edit ltr sent 1/1

Date Reviewed 4/10/96 by Rat

Response recd 1/1

QA Letter sent 1/1

Corrections made 1/1 by _____

Response recd 1/1

QA review 1/1 by _____

FORM	PAGE	SECTION	CORRECTIONS NEEDED
			No WM forms

COMMENTS

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ALLISON ENGINE COMPANY, INC.
PLANT 10EPA ID NO: I, N, D, 0, 0, 0, 8, 0, 6, 8, 1, 0U.S. ENVIRONMENTAL
PROTECTION AGENCY

1995 Hazardous Waste Report

FORM
ICIDENTIFICATION AND
CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 9 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I Site name and location address. Complete A through H. Check the box ☐ in items A, C, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 10.

A. EPA ID No. Same as label <input type="checkbox"/> or → <u>I, N, D, 0, 0, 0, 8, 0, 6, 8, 1, 0</u>		B. County <u>MARION</u>
C. Site/company name Same as label <input type="checkbox"/> or → <u>ALLISON ENGINE COMPANY, INC.</u> <u>PLANT 10</u>		D. Has the site name associated with this EPA ID changed since 1993? <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No
E. Street name and number. If not applicable, enter industrial park, building name, or other physical location description. Same as label <input type="checkbox"/> or → <u>700 N. OLIN AVENUE</u>		
F. City, town, village, etc. Same as label <input type="checkbox"/> or → <u>INDIANAPOLIS</u>	G. State Same as label <u>I, N</u>	H. Zip Code Same as label <u>4, 6, 2, 0, 6</u> - <u> </u> <u> </u> <u> </u>

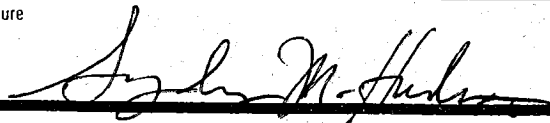
Sec. II Mailing address of site. Instruction page 10.

A. Is the mailing address the same as the location address? <input type="checkbox"/> 1 Yes (SKIP TO SEC. III) <input checked="" type="checkbox"/> 2 No (GO TO BOX B)		
B. Number and street name of mailing address <u>P. O. BOX 420, MAIL STOP N-23</u>		
C. City, town, village, etc. <u>INDIANAPOLIS</u>	D. State <u>IN</u>	E. Zip Code <u>4, 6, 2, 0, 6</u> - <u> </u> <u> </u> <u> </u>

Sec. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 10.

A. Please print: Last Name First name M.I. <u>CARAKER KEVIN W.</u>		B. Title <u>ENVIRONMENTAL ENGINEER</u>	C. Telephone <u>3, 1, 7, 2, 3, 0</u> - <u>6, 0, 9, 5</u> Extension <u> </u> <u> </u> <u> </u>
---	--	---	--

Sec. IV "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A. Please print: Last Name First name M.I. <u>HUDSON SYDNEY M.</u>		B. Title <u>PRESIDENT AND CHIEF OPERATING OFFICER</u>
C. Signature 		D. Date of signature <u>02</u> <u>26</u> <u>96</u> MO. DAY YR.

Page 1 of 7

Sec.V - Generator Status. Instruction pages 10, 12.

A. 1995 RCRA generator status

(CHECK ONE BOX BELOW)

- ☒ 1 LQG
☐ 2 SQG SKIP to SEC. VI
☐ 3 CESQG
☐ 4 Non generator (Continue to Box B)

B. Reason for not generating

(CHECK ALL THAT APPLY)

- ☐ 1 Never generated
☐ 2 Out of business
☐ 3 Only excluded or delisted waste
☐ 4 Only non-hazardous waste
☐ 5 Periodic or occasional generator
☐ 6 Waste minimization activity
☐ 7 Other (SPECIFY COMMENTS IN BOX BELOW)

Sec.VI - On-Site Waste Management Status. Instruction pages 13, 14.

A. Storage subject to RCRA permitting requirements

1

B. Treatment, disposal, or recycling subject to RCRA permitting requirements

1

C. RCRA-exempt treatment, disposal, or recycling

1

Sec.VII - Waste Minimization Activity during 1994 or 1995. Instruction pages 14, 15.

A. Did this site begin or expand a source reduction activity during 1994 or 1995?

- ☐ 1 Yes
☒ 2 No

B. Did this site begin or expand a recycling activity during 1994 or 1995?

- ☐ 1 Yes
☒ 2 No

C. Did this site systematically investigate opportunities for source reduction or recycling during 1994 or 1995?

- ☐ 1 Yes
☒ 2 No

D. Did any of the factors listed below delay or limit this site's ability to initiate new or additional source reduction activities in 1994 or 1995?
(CHECK YES OR NO FOR EACH ITEM)

- | Yes | No | |
|---------------------------------------|---------------------------------------|--|
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | a. Insufficient capital to install new source reduction equipment or implement new source reduction practices |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | b. Lack of technical information on source reduction techniques applicable to the specific production processes |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | c. Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | d. Concern that product quality may decline as a result of source reduction |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | e. Technical limitations of the production processes |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | f. Permitting burdens |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | g. Source reduction previously implemented - additional reduction does not appear to be technically feasible |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | h. Source reduction previously implemented - additional reduction does not appear to be economically feasible |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | i. Source reduction previously implemented - additional reduction does not appear to be feasible due to permitting requirements |
| <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | j. Other (SPECIFY COMMENTS IN BOX BELOW) |

E. Did any of the factors listed below delay or limit the site's ability to initiate new or additional on-site or off-site recycling activities during 1994 or 1995?
(CHECK YES OR NO FOR EACH ITEM)

- | Yes | No | | Yes | No | |
|---------------------------------------|---------------------------------------|---|---------------------------------------|---------------------------------------|--|
| <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | a. Insufficient capital to install new recycling equipment or implement new recycling practice | <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | g. Technical limitations of production processes inhibit shipments off-site for recycling |
| <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | b. Lack of technical information on recycling techniques applicable to this site's specific production process | <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | h. Technical limitations of production processes inhibit on-site recycling |
| <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | c. Recycling is not economically feasible; cost savings in waste management will not recover the capital investment | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | i. Permitting burdens inhibit recycling |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | d. Concern that product quality may decline as a result of recycling | <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | j. Lack of permitted off-site recycling facilities |
| <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | e. Requirements to manifest wastes inhibit shipments of off-site for recycling | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | k. Unable to identify a market for recycled materials |
| <input checked="" type="checkbox"/> 1 | <input type="checkbox"/> 2 | f. Financial liability provisions inhibit shipments off-site for recycling | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | l. Recycling previously implemented - additional recycling does not appear to be technically feasible |
| | | | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | m. Recycling previously implemented - additional recycling does not appear to be economically feasible |
| | | | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | n. Recycling previously implemented - additional recycling does not appear to be feasible due to permitting requirements |
| | | | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | o. Other (SPECIFY COMMENTS IN BOX BELOW) |

Comments: VII D j - Remediation derived wastes. Source reduction would inhibit clean-up activity.

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ALLISON ENGINE COMPANY, INC.
PLANT 10EPA ID NO: IND 000 806 810U.S. ENVIRONMENTAL
PROTECTION AGENCY

1995 Hazardous Waste Report

FORM
GMWASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

SOIL FROM BORING OF MONITORING WELLS

B. EPA hazardous waste code Page 19.

F 0 0 1 1 1 1 N A1 1 1 N A 1 1 1 N A 1 1 1 N A

C. State hazardous waste code Page 19.

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

D. SIC code Page 19.

4 2 2 5E. Origin code 2 Page 19System
Type M 1 1 1

F. Source code Page 20.

A 6 9G. Point of measurement
Page 20.3H. Form code
Page 20.B 3 0 1

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.1 6 0 0 0 0B. Quantity generated in 1995
Page 21.3 0 6 0 0 0C. UOM
Page 21.1 1 1 1 1 1☐ 1 lbs/gal ☐ 2 sg

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.M 1 1 1Quantity treated, disposed, or recycled on site
in 19951 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.M 1 1 1Quantity treated, disposed, or recycled on site
in 19951 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Sec. III

A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.IND 093 219 012C. System type shipped to
Page 23.M 1 4 1D. Off-site
availability code
Page 23.1E. Total quantity shipped in 1995
Page 23.3 0 6 0 0 0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 N AC. System type shipped to
Page 23.M 1 1 1D. Off-site
availability code
Page 23.1E. Total quantity shipped in 1995
Page 23.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W 1 1 1 W 1 1 1
W 1 1 1 W 1 1 1

C. Other effects Page 25.

☐ 1 Yes
☐ 2 NoD. Quantity recycled in 1995 due to new activities
Page 25.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1E. Activity/production
index Page 25.1 1 1 1

F. 1995 source reduction quantity Page 26.

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ALLISON ENGINE COMPANY, INC.
PLANT 10EPA ID NO: IND 000 806 810U.S. ENVIRONMENTAL
PROTECTION AGENCY

1995 Hazardous Waste Report

FORM
GMWASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

WATER FROM PURGING OF MONITORING WELLS AND CLEANING OF DRILLING RIG.

B. EPA hazardous waste code Page 19.

F001 NANA NA NA

C. State hazardous waste code Page 19.

D. SIC code Page 19.

4225E. Origin code 2 Page 19System
Type LM

F. Source code Page 20.

A69G. Point of measurement
Page 20.3H. Form code
Page 20.B101

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.1251.0B. Quantity generated in 1995
Page 21.8256.6C. UOM
Page 21.11 lbs/gal ☐ 2 sg

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.LMQuantity treated, disposed, or recycled on site
in 19951251.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.LMQuantity treated, disposed, or recycled on site
in 19958256.6

Sec. III

A. Was any of this waste shipped off-site in 1995
Instruction page 22.☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.IND 093 219 012C. System type shipped to
Page 23.LM141D. Off-site
availability code
Page 23.1E. Total quantity shipped in 1995
Page 23.8256.6

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.NAC. System type shipped to
Page 23.LMD. Off-site
availability code
Page 23.1E. Total quantity shipped in 1995
Page 23.1251.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W W
W W

C. Other effects Page 25.

☐ 1 Yes
☐ 2 NoD. Quantity recycled in 1995 due to new activities
Page 25.1251.0E. Activity/production
index Page 25.1

F. 1995 source reduction quantity Page 26.

1251.0

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ALLISON ENGINE COMPANY, INC.
PLANT 10EPA ID NO: I N D 0 0 0 8 0 6 8 1 0U.S. ENVIRONMENTAL
PROTECTION AGENCY

1995 Hazardous Waste Report

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. **SOIL AND CONCRETE FROM EXCAVATION OF ABANDONED UNDERGROUND VAULT.**

B. EPA hazardous waste code Page 19.

F 0 0 1 F 0 0 2D 0 0 6 D 0 0 7 D 0 0 8

C. State hazardous waste code Page 19.

D. SIC code Page 19.

4 2 2 5E. Origin code 2 Page 19System
Type M

F. Source code Page 20.

A 6 9G. Point of measurement
Page 20.1H. Form code
Page 20.B 3 1 9

I. RCRA - radioactive mixed Page 20.

2

Sec. II A. Quantity generated in 1994
Instruction Page 21.

B. Quantity generated in 1995
Page 21.

N A4 5 3 8 0 . 0

C. UOM
Page 21.

11 lbs/gal 2 sg

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

M

Quantity treated, disposed, or recycled on site
in 1995

4 5 3 8 0 . 0

On-site process system type
Page 22.

M

Quantity treated, disposed, or recycled on site
in 1995

4 5 3 8 0 . 0

Sec. III A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

I N D 0 9 3 2 1 9 0 1 2

C. System type shipped to
Page 23.

M 1 4 1

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

4 5 3 8 0 . 0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

N A

C. System type shipped to
Page 23.

M

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

4 5 3 8 0 . 0

Sec. IV A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W W
W W

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

4 5 3 8 0 . 0

E. Activity/production
index Page 25.

1 4

F. 1995 source reduction quantity Page 26.

4 5 3 8 0 . 0

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: ALLISON ENGINE COMPANYPLANT 10

EPA ID NO:

I N D 0 0 0 8 0 6 8 1 0FORM
01U.S. ENVIRONMENTAL
PROTECTION AGENCY

1995 Hazardous Waste Report

OFF-SITE
IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the reverse side before completing this form.

Site 1	A. EPA ID No. of off-site installation or transporter <u>I N D 0 5 8 4 8 4 1 1 4</u>	B. Name of off-site installation or transporter <u>HERITAGE TRANSPORT, INC.</u>
	C. Handler type (CHECK ALL THAT APPLY) <input type="checkbox"/> Generator <input checked="" type="checkbox"/> Transporter <input type="checkbox"/> TSDR	D. Address of off-site installation Street <u>NA</u> City _____ State _____ Zip _____

Site 2	A. EPA ID No. of off-site installation or transporter <u>I N D 0 9 3 2 1 9 0 1 2</u>	B. Name of off-site installation or transporter <u>HERITAGE ENVIRONMENTAL SERVICES</u>
	C. Handler type (CHECK ALL THAT APPLY) <input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR	D. Address of off-site installation Street <u>7901 WEST MORRIS</u> City <u>INDIANAPOLIS, IN</u> State <u>IN</u> Zip <u>4 6 1 2 3 1 - 1 3 6 7</u>

Site 3	A. EPA ID No. of off-site installation or transporter _____	B. Name of off-site installation or transporter _____
	C. Handler type (CHECK ALL THAT APPLY) <input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input type="checkbox"/> TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____

Site 4	A. EPA ID No. of off-site installation or transporter _____	B. Name of off-site installation or transporter _____
	C. Handler type (CHECK ALL THAT APPLY) <input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input type="checkbox"/> TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____

Site 5	A. EPA ID No. of off-site installation or transporter _____	B. Name of off-site installation or transporter _____
	C. Handler type (CHECK ALL THAT APPLY) <input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input type="checkbox"/> TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____

Comments:

105 South Meridian Street
P.O. Box 6015
Indianapolis, IN 46206-6015

STATE OF INDIANA

COOK, PETE-SPEED CODE S-44A
ENVIRONMENTAL COORDINATOR
IND000806810
GMC-~~BEAR~~-PLANT 10
P.O. BOX ~~22420~~
INDIANAPOLIS, IN 46204

66-01

FORM E:

lr

Allison Gas Turbine

SOLID WASTE MANAGEMENT BOARD

INSTRUCTIONS: Please refer to the specific instructions before completing this form. The information requested herein is required by IC 13-7-8.5--2.

I. TYPE OF HAZARDOUS WASTE REPORT FOR THE YEAR ENDING DEC. 31, 19__

FORM G:

GENERATOR BIENNIAL REPORT

☐

FORM F:

FACILITY BIENNIAL REPORT

☐

DID NOT GENERATE/TSD HAZARDOUS

☒

SMALL QUANTITY GENERATOR OF HAZARDOUS WASTE

GENERATE LESS THAN
100 Kg PER MONTH

☐

GENERATE BETWEEN
100 & 1000 Kg PER MONTH

☐

II. INSTALLATION'S EPA I.D. NUMBER

I N D 0 0 0 8 0 6 8 1 0

III. NAME OF INSTALLATION

I N D I A N A P O L I S 1 0 A L L I S O N G A S T U R B I N E G M

IV. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

P O B O X 4 2 0

CITY OR TOWN

I N D I A N A P O L I S

STATE

I N

ZIP CODE

4 6 2 0 6

V. LOCATION OF INSTALLATION

STREET OR P.O. BOX

7 0 0 N O R T H O L I N A V E

CITY OR TOWN

I N D I A N A P O L I S

STATE

I N

ZIP CODE

4 6 2 2 2

COUNTY

M A R I O N

VI. INSTALLATION CONTACT

Last Name

C O O K

First Name

P E T E R

Phone (area code & no.)

3 1 7 2 3 0 - 4 3 8 8

VII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

THIS CERTIFICATION HAS BEEN PREPARED ON BEHALF OF GENERAL MOTORS CORPORATION.

B WALLACE, GENERAL MANAGER

2-26-88

(A.) PRINT OR TYPE NAME AND TITLE

(B.) SIGNATURE

(C.) DATE SIGNED

Please print or type with ELITE type (12 characters per inch).

PAGE 1 OF 1

WASTE MINIMIZATION STATEMENT
1987 HAZARDOUS WASTE BIENNIAL REPORT

This report is for the calendar year ending December 31, 1987.

The Hazardous and Solid Waste Amendments of 1984 and Indiana Rule 320 IAC 4.1-10-2(b) require all generators of hazardous waste to provide information with respect to waste minimization as part of their biennial report. The following information is being required to satisfy that requirement:

Generator's EPA I.D. No. IND000806810


Waste Minimization

Describe in the space below your efforts, undertaken during calendar year 1987, to reduce the volume and toxicity of the hazardous waste which your business generates. Also, describe changes in waste volume and toxicity actually achieved during 1987 in comparison to previous years, to the extent possible.

THIS FACILITY DID NOT GENERATE ANY HAZARDOUS WASTE IN 1987.

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. This certification has been prepared on behalf of General Motors Corp.

<u>F. B. Wallace,</u>	<u>General Manager</u>	<u></u>	<u>2-26-88</u>
Print/Type Name	Title	Signature	Date Signed



Allison

MAR 2 2 00 PM '88

OFFICE OF SOLID
AND HAZARDOUS
WASTE MGMT
DEM

February 23, 1988
(REF:NC628)

Ms. Karyl K. Schmidt, Chief
Geology Section
Office of Solid & Hazardous Waste Mgmt.
Department of Environmental Management
P. O. Box 6015
Indianapolis, IN 46206

Subj: Groundwater Annual Report
Allison Gas Turbine Plant #5
General Motors Corporation
IND 000806836

Dear Ms. Schmidt:

In accordance with 320 IAC 4.1-20-5(a)(2)(ii) and (iii), Allison Gas Turbine is submitting this annual report describing the status of the groundwater monitoring system at the above mentioned facility for the 1987 calendar year.

Statistical analysis of the data was performed using the average replicate t-test. No significant differences were calculated for the wells during 1987. Analytical and statistical data is presented in the attached tables.

Review of groundwater level data indicates that, in both the shallow and deep systems, Wells 1 and 2 continue to be upgradient.

On behalf of General Motors Corporation, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Please call P. P. Cook on 230-4388 or P. A. Eddy on 230-5456 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'F. B. Wallace', with a stylized, cursive script.

F. B. Wallace
General Manager

FBW/nc

cc: Regional Services

ALLISON GAS TURBINE 1987

H₂O El.

Well	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Date					
4-28-87					
Shallow	665.02	663.85	661.19	661.67	663.19
Deep	664.73	663.91	661.18	661.60	662.42
10-20-87					
Shallow	Dry	Dry	659.72	Dry	Dry
Deep	663.13	662.31	661.41	660.09	661.03

ALLISON GAS TURBINE 1987

SHALLOW WELLS

pH

Well	<u>1S</u>	<u>2S</u>	<u>3S</u>	<u>4S</u>	<u>5S</u>
Date					
4-28-87					
pH A	7.02	Dry	7.21	6.63	7.09
pH B	7.02		7.29	6.69	7.08
pH C	7.03		7.23	6.80	7.06
pH D	7.01		7.24	6.85	7.07
\bar{X}	7.02		7.24	6.74	7.08
t^*	0.91		1.60	0.04	1.10
t_c	5.111		5.111	5.111	5.111
Status	OK		OK	OK	OK

10-20-87

pH A	Dry	Dry	6.93	Dry	Dry
pH B			6.97		
pH C			6.91		
pH D			6.93		
\bar{X}			6.94		
t^*			0.66		
t_c			5.111		
Status			OK		

ALLISON GAS TURBINE 1987

DEEP WELLS

pH

Well	<u>1D</u>	<u>2D</u>	<u>3D</u>	<u>4D</u>	<u>5D</u>
Date					
4-28-87					
pH A	7.08	7.03	7.17	6.95	6.73
pH B	7.17	7.10	7.09	6.88	6.78
pH C	7.14	7.10	7.18	6.94	6.81
pH D	7.12	7.05	7.18	6.88	6.78
\bar{X}	7.13	7.07	7.16	6.91	6.78
t^*	0.43	0.26	0.51	-0.19	-0.55
t_c	5.111	5.111	5.111	5.111	5.111
Status	OK	OK	OK	OK	OK
10-20-87					
pH A	6.72	6.86	6.82	6.57	6.75
pH B	6.75	6.90	6.78	6.62	6.71
pH C	6.80	6.93	6.78	6.63	6.76
pH D	6.83	6.97	6.75	6.68	6.73
\bar{X}	6.78	6.92	6.78	6.63	6.74
t^*	-0.55	-0.16	-0.55	-0.97	-0.66
t_c	5.111	5.111	5.111	5.111	5.111
Status	OK	OK	OK	OK	OK

ALLISON GAS TURBINE 1987

SHALLOW WELLS

SP. COND.

Well	<u>1S</u>	<u>2S</u>	<u>3S</u>	<u>4S</u>	<u>5S</u>
Date					
4-28-87					
SP. COND. A	950	Dry	960	750	740
SP. COND. B	960		960	750	740
SP. COND. C	960		960	760	740
SP. COND. D	960		960	770	740
\bar{X}	9.575		960	757.5	740
t^*	-1.12		-1.11	-1.81	-1.87
t_c	4.609		4.609	4.609	4.609
Status	OK		OK	OK	OK
10-20-87					
SP. COND. A	Dry	Dry	720	Dry	Dry
SP. COND. B			720		
SP. COND. C			730		
SP. COND. D			740		
\bar{X}			727.5		
t^*			-1.91		
t_c			4.609		
Status			OK		

ALLISON GAS TURBINE 1987

DEEP WELLS

SP. COND.

Well	<u>1D</u>	<u>2D</u>	<u>3D</u>	<u>4D</u>	<u>5D</u>
Date					
4-28-87					
SP. COND. A	1040	1020	790	660	700
SP. COND. B	1040	1030	790	650	700
SP. COND. C	1040	1030	790	660	700
SP. COND. D	1050	1030	790	670	700
\bar{X}	1042.5	1027.5	790	660	700
t^*	-2.41	-2.48	-3.62	-4.24	-4.05
t_c	4.609	4.609	4.609	4.609	4.609
Status	OK	OK	OK	OK	OK
10-20-87					
SP. COND. A	650	740	580	520	540
SP. COND. B	650	740	590	530	540
SP. COND. C	660	750	590	530	550
SP. COND. D	650	740	590	530	550
\bar{X}	652.5	742.5	587.5	527.5	545
t^*	-4.28	-3.85	-4.59	-4.88	-4.80
t_c	4.609	4.609	4.609	4.609	4.609
Status	OK	OK	OK	OK	OK

ALLISON GAS TURBINE 1987

SHALLOW WELLS

TOC (PPM)

Well Date	<u>1S</u>	<u>2S</u>	<u>3S</u>	<u>4S</u>	<u>5S</u>
4-28-87					
TOC A	4	Dry	<3	<3	<3
TOC B	4		<3	<3	<3
TOC C	3		<3		<3
TOC D	5		<3	<3	4
\bar{X}	4		1.5	2.13	2.13
t^*	-0.47		-0.55	-0.53	-0.53
t_c	4.609		4.609	4.609	4.609
Status	OK		OK	OK	OK
10-20-87					
TOC A	Dry	Dry	<3	Dry	Dry
TOC B			<3		
TOC C			<3		
TOC D			<3		
\bar{X}			1.15		
t^*			-0.55		
t_c			4.609		
Status			OK		

ALLISON GAS TURBINE 1987

DEEP WELLS

TOC (PPM)

Well	<u>1D</u>	<u>2D</u>	<u>3D</u>	<u>4D</u>	<u>5D</u>
Date					
4-28-87					
TOC A	6	7	<3	<3	5
TOC B	8	5	<3	<3	6
TOC C	8	5	<3	<3	9
TOC D	7	7	<3	<3	3
\bar{X}	7.25	6	1.5	1.5	5.75
t^*	0.17	-0.06	-0.86	-0.86	-0.10
t_c	4.609	4.609	4.609	4.609	4.609
Status	OK	OK	OK	OK	OK
10-20-87					
TOC A	<3	<3	<3	<3	<3
TOC B	<3	<3	<3	<3	<3
TOC C	<3	<3	<3	<3	<3
TOC D	<3	<3	5	7	<3
\bar{X}	1.5	1.5	2.38	2.88	1.5
t^*	-0.86	-0.86	-0.71	-0.62	-0.86
t_c	4.609	4.609	4.609	4.609	4.609
Status	OK	OK	OK	OK	OK

ALLISON GAS TURBINE 1987

SHALLOW WELLS

TOX (PPM)

Well	<u>1S</u>	<u>2S</u>	<u>3S</u>	<u>4S</u>	<u>5S</u>
Date					
4-28-87					
TOX A	.04	Dry	.09	.06	.11
TOX B	.05		.07	.08	.13
TOX C	.04		.07	.08	.10
TOX D	.05		.08	.07	.13
\bar{X}	.045		.078	.073	0.118
t^*	0.61		1.88	1.69	3.42
t_c	4.609		4.609	4.609	4.609
Status	OK		OK	OK	OK

10-20-87

TOX A	Dry	Dry	.07	Dry	Dry
TOX B			.08		
TOX C			.08		
TOX D			.97		
\bar{X}			.075		
t^*			1.76		
t_c			4.609		
Status			OK		

ALLISON GAS TURBINE 1987

DEEP WELLS

TOX (PPM)

Well	<u>1D</u>	<u>2D</u>	<u>3D</u>	<u>4D</u>	<u>5D</u>
Date					
4-28-87					
TOX A	<.01	.03	.03	.04	.05
TOX B	<.01	.04	.03	.06	.06
TOX C	.02	.02	.03	.06	.06
TOX D	<.01	<.01	.02	.04	.06
X	.009	.024	.028	.05	.058
t*	-0.59	0.07	0.24	1.20	1.55
t _c	4.609	4.609	4.609	4.609	4.609
Status	OK	OK	OK	OK	OK
10-20-87					
TOX A	.03	.03	<.01	.04	<.01
TOX B	.03	.03	.03	.03	<.01
TOX C	.04	.03	.02	.03	.03
TOX D	.03	.03	.02	.03	<.01
X	.033	.03	.019	.033	.011
t*	0.46	0.33	-0.15	0.46	-0.50
t _c	4.609	4.609	4.609	4.609	4.609
Status	OK	OK	OK	OK	OK

DIVISION OF LAND POLLUTION CONTROL

ANNUAL REPORT COVER PAGE

REF NO. _____

Company Name GMC-DDAD-Plant 10 EPA ID Number IND 000806810

LABEL DISCREPANCIES: Yes?

Company Name

ID # 17

Mailing Address ☒

Person Reviewing David Keen

Q/A Check done by MAJ

FORM	PAGE	LINE	CORRECTION
------	------	------	------------

COMMENTS			

FOR WANG/LOG USE ONLY

SEQ NO FORM E

SEQ NO FOR FORM G & F thru

To _____

To _____

SEQ NO FOR FORM G & F thru

To _____

SEQ NO FOR FORM G & F thru

To

SBI 66-026 1/84
SF 14005

AMMH001335

Division of Land Pollution Control
INDIANA STATE BOARD OF HEALTH
1330 West Michigan Street
P. O. Box 1964
Indianapolis, Indiana 46206

IND000806810 G
GMC-DDAD-PLANT 19
P.O. BOX 8
INDIANAPOLIS, IN 46204
RECEIVED
FEB 28 1986
INDIANA STATE BOARD OF HEALTH
LAND POLLUTION CONTROL DIVISION



FORM E:

Installat

ENVIRONMENTAL MANAGEMENT BOARD

INSTRUCTIONS: Please refer to the specific instructions before completing this form. The information requested herein is required by IC 13-7-8.5-2.

I. TYPE OF HAZARDOUS WASTE REPORT FOR THE YEAR ENDING DEC. 31, 1985

FORM G:
GENERATOR BIENNIAL REPORT ☐

FORM F:
FACILITY BIENNIAL REPORT ☐

DID NOT GENERATE/TSD HAZARDOUS ☒

SMALL QUANTITY GENERATOR OF HAZARDOUS WASTE
GENERATE LESS THAN ☐ 100 Kg PER MONTH
GENERATE BETWEEN ☐ 100 & 1000 Kg PER MONTH

II. INSTALLATION'S EPA I.D. NUMBER IND0000806810
III. NAME OF INSTALLATION PLANT 10 DET DIES EL ALLISON GMC
IV. INSTALLATION MAILING ADDRESS
Street or P. O. Box PO BOX 1894
City or Town INDIANAPOLIS
State IN Zip Code 46206

V. LOCATION OF INSTALLATION

Street or P. O. Box 700 NORTH OLIN AVE
City or Town INDIANAPOLIS
State IN Zip Code 46222 County MARTIN

VI. INSTALLATION CONTACT

Last Name SEWALL First Name ROBERT Phone (area code & no.) 317/242-2366

VII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. This certification is made on behalf of General Motors Corporation.

J. E. Saylor, GEN' MFG MGR
(A.) PRINT OR TYPE NAME AND TITLE

(B.) SIGNATURE

(C.) DATE SIGNED

Use print or type with ELITE type (12 characters per inch).

PAGE 1 OF 1



MAN 1 11 28 AM '82
IN. STATE BOARD OF HEALTH

Environmental Activities Staff
General Motors Corporation
General Motors Technical Center
Warren, Michigan 48090

February 23, 1982

Mr. Guinn Doyle
Department of Sanitary Engineering
Indiana State Board of Health
1330 West Michigan Street
Indianapolis, IN 46206

Dear Mr. Doyle:

General Motors Corporation (GM) hereby submits proof of financial capability as requested in the January 1982 letter from Mr. David Lamm to owners or operators of hazardous waste management facilities. As requested in item 6a of the letter, attached are copies of GM's most recent quarterly and annual reports, and a certificate of good standing issued by the Indiana Secretary of State's office.

Persuant to our telephone conversation of February 10, 1982, this submittal is made on behalf of all GM facilities in Indiana.

If any further information is needed, please contact me at (313) 575-8602.

Very truly yours,

Bill Collinson

William J. Collinson
Staff Project Engineer
Plant Environment

att.

STATE OF INDIANA
OFFICE OF THE SECRETARY OF STATE

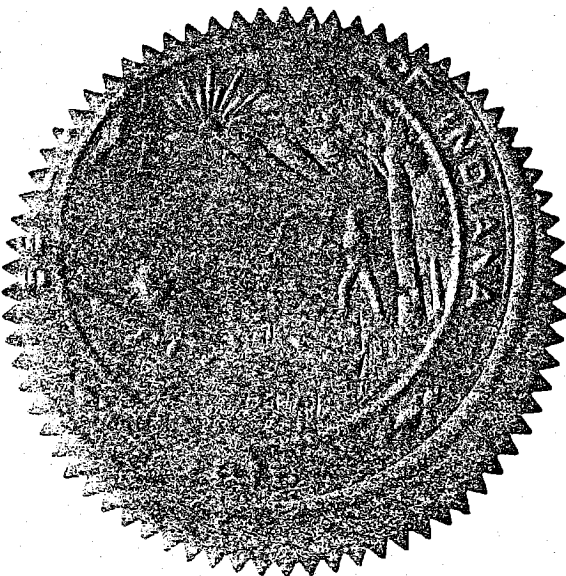
To Whom These Presents Come, Greeting:

I, EDWIN J. SIMCOX, Secretary of State of the State of Indiana, do hereby certify that I am, by virtue of the laws of this State, the Custodian of the Corporate Records and the Proper Office to execute this certificate.

I further certify that the records of this office disclose that

GENERAL MOTORS CORPORATION

is a corporation duly organized and existing under and by virtue of the laws of the State of DELAWARE; was admitted to do business in the State of Indiana on JANUARY 10, 1919; and has filed all annual corporation reports for the required years and has paid all fees due the office of Secretary of State, or is not yet required to file such annual reports, thus making said corporation in Good Standing with the Office of the Secretary of State.



In Witness Whereof, I have hereunto set my hand and affixed
the seal of the State of Indiana, at the City of Indianapolis, this
17th day of

FEBRUARY

19 82

Edwin J. Simcox
EDWIN J. SIMCOX, Secretary of State
By *Harry R. ...* Deputy



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

December 5, 2001

Mr. Kevin W. Caraker
Environmental Engineer
Environmental Sciences
Rolls-Royce Corporation
P. O. Box 420
Indianapolis, IN 46206-0420

Dear Kevin:

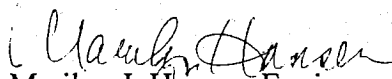
This is in response to your letter dated November 27, 2001 regarding the following installation:

U.S. EPA ID #IND000806810
Location: ~~Former Allison Plant 10~~
700 N. Olin Avenue
Indianapolis, IN 46222

According to the information submitted, you have indicated that this facility is no longer in need of the U.S. EPA ID number. Your ID number has been coded as an inactive number. Please DO NOT USE this number without re-notifying the Indiana Department of Environmental Management of your activity.

If you have any questions or need further assistance, please contact me at 317-232-7956.

Sincerely,


Marilyn J. Hansen, Environmental Manager
Facility Data Analysis Section
Office of Land Quality



Rolls-Royce

Rolls-Royce Corporation
P.O. Box 420
Indianapolis, Indiana
46206-0420 USA

November 27, 2001

Ms. Marilyn J. Hansen
Environmental Manager
Facility Data Analysis Section
Office of Land Quality
Indiana Department of Environmental Management
100 North Senate
P.O. Box 6015
Indianapolis, Indiana 46206-6015

Re: Allison Engine Company, Plant 10
Notification of Regulated Waste Activity
IND000806810

Dear Marilyn:

Rolls-Royce Corporation (formerly Allison Engine Company) vacated and sold the property known as Allison Engine Company Plant 10 at 700 N. Olin Avenue in Indianapolis in 1998.

My records indicate that we may not have formerly requested deactivation of the hazardous waste identification number (IND000806810) for this property.

Please consider this notice as such request, retroactive to the sale date of December 30, 1998.

Sincerely,

A handwritten signature in dark ink, appearing to read "Kevin W. Caraker".

Kevin W. Caraker
Environmental Engineer
Environmental Sciences
Tel: (317) 230-6095
Fax: (317) 230-6047
Mail Code: N-23

OUT OF BUSINESS

Marion Co IA

Marilyn Hansen

John

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
INDIANAPOLIS

OFFICE MEMORANDUM

TO: ~~FORMER~~ Allison Plant 10, RCRA 1B1 File
IND 000 806 810, Indpls., Marion Co.

DATE: 10-30-2001

FROM: Gary Romesser *GR*
Compliance Section

THRU: Rosemary Cantwell *RC*

SUBJECT: Trip Report for the former Allison Plant 10 site

On October 10, 2001, I conducted a Compliance Evaluation Inspection (CEI) of the former Allison Plant 10 site, located at 700 N. Holt (formerly Olin) Avenue, Indianapolis. The site is currently operated and identified as Frazier Farms under John Loudermilk, owner/CEO. The facility building has been gutted and no hazardous or solid wastes were found on-site.

Representative at the site, Andrew Loudermilk (grandson of owner), indicated that the site is in the process of being sold.

File Audit

The facility was last inspected on September 23, 1996. No violations were found and the facility was no longer generating any hazardous waste. Some recent wastestreams were generated from underground tank removals. Manifests indicate lead contamination.

Additional Findings

A follow-up phone conversation with Mr. John Loudermilk revealed that the site has actually undergone a Voluntary Remedial Project (VRP). Andy Gremos, the contracted project manager, indicated that approximately 10,000 ton of contaminated soil/debris were removed from the west side of the property. He reported that most of the contamination was non-hazardous, but some was hazardous for lead. A project report will be submitted to IDEM's Voluntary Remediation Program.

Conclusions and Recommendations

Based on the above findings, I will notify our Data Analysis Section to request that the site be removed from the notifier's database.

cc: Marion County Health Department
Marilyn Hansen

**Indiana Department of Environmental Management
VERIFICATION OF INSPECTION**

This is to verify that on 10-10-01 an inspection of Frazier Farms, 700 N. Holt Rd was conducted by the undersigned representative of the Indiana Department of Environmental Management, Office of Land Quality.

Type of Inspection:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Complete Industrial/Hazardous Waste Inspection | <input type="checkbox"/> Complaint |
| <input type="checkbox"/> Limited Industrial/Hazardous Waste Inspection | <input type="checkbox"/> Multi-Media Screening Evaluation |
| <input type="checkbox"/> Industrial Waste Landfill Inspection | <input type="checkbox"/> Other _____ |

Inspection Findings:

- ☐ In compliance, no violations observed.
- ☐ In compliance, violations were observed but corrected during the inspection. See inspection report.
- ☐ Violations were observed and require a submittal and/or follow-up inspection. See inspection report.
- ☐ Violations were observed and are being referred to our Office of Enforcement. See inspection report.
- ☐ Additional information/review is required to evaluate overall compliance.
- ☒ Other building clean & no wastes

Multi-Media Screening Checklist Finding: NA

- ☐ No potential problems or areas of possible non-compliance were observed and noted on the multi-media screening checklist.
- ☐ Potential problems or areas of possible non-compliance were observed and noted on the multi-media screening checklist, but corrected during the inspection. Refer to the final single-media inspection report and multi-media screening checklist.
- ☐ Potential problems or areas of possible non-compliance were observed and noted on the multi-media screening checklist, and will be referred to the Office(s) of _____ for further investigation and response. Refer to the final single-media inspection report and multi-media screening checklist.

If non-compliance is determined or additional information/review is required to evaluate overall compliance, the Office(s) of _____ will be the lead IDEM Office(s) in pursuing these matters.

Pollution Prevention:

Pollution prevention is the preferred means of environmental protection in Indiana. The goal of pollution prevention is to promote changes in business and commercial operation, especially manufacturing processes, so that less environmental wastes are generated. Your participation in Indiana's pollution prevention program is entirely voluntary. Would your company like to be contacted by IDEM's Office of Pollution Prevention and Technical Assistance? ☐ Yes ☐ No

.....

A summary of violations and concerns noted during the inspection were verbally communicated to the undersigned company representative during the inspection. The company is encouraged to correct any deficiencies noted as soon as possible. Corrections made and verified during the inspection may still be cited as violations; however, prompt action may be taken into consideration in determining the resolution to any enforcement action, which may be taken.

- ☒ Written report provided at the conclusion of the inspection. ☐ Written report will be provided within 45 days.
- This verification certifies that no wastes exist at this site at time of inspection*

IDEM Representative:

Printed Name	Signature	Phone Number	Date
Gary Romesser	<i>Gary Romesser</i>	317-308-3108	10-10-01

Company Representative:

Printed Name	Signature	Phone Number	Date
Andrew Lowdermilk	<i>Andrew Lowdermilk</i>	317-557-0743	10-10-01
Street/PO Box	City, State, Zip	Ownership	Fax Number
55 S. Harding	Indip/IN 46244		634-6197

county Marion
title TA

NOTIFIER DATABASE
INFORMATION UPDATE FORM

EPA ID IND000806810 NAME Allison Engine Co Plt 10

____ Review the attached notification and change any information that is different from our current information. IF THE LOCATION ADDRESS IS DIFFERENT DO NOT MAKE ANY CHANGES. Return the form to Marilyn Hansen.

NEW NAME Former Allison Plt 10
(put old name into alias field)

PREVIOUS ID _____

LOCATION ADDRESS _____

MAILING ADDRESS _____

CONTACT _____ PHONE _____

LAND TYPE _____ OWNER TYPE _____

STATUS CODE _____ 1-active 5-out-of-business 6-non-handler
OFFICIAL FL _____ 2-reg under other ID 3-dead mail

SIC CODES _____

GENERATOR _____ TRANSPORTER _____ TSD _____
1-LQG s-for own waste
2-SQG c-commercially
3-CEG x-don't know

COMMENTS New owner

NAME Marilyn Hansen DATE 7/26/00

over *

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02
GSA No. 0245-EPA-0T

Please refer to Section V, Line-by-Line Instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

**Notification of Regulated Waste Activity**

United States Environmental Protection Agency

Date Received
(For Official Use Only)

JUL 31 2000

747-25-00

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)☐

A. Initial Notification

☒B. Subsequent Notification
(Complete item C)

C. Installation's EPA ID Number

IND0000806810

II. Name of Installation (Include company and specific site name)

Former Allison Plant #10

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

700 North Olm Avenue

Street (Continued)

City or Town

Indianapolis

State

Zip Code

IN 46222-

County Code

County Name

097 Marion

IV. Installation Mailing Address (See instructions)

Street or P.O. Box

Same

City or Town

State

Zip Code

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last)

Lewit

(First)

Robert

Job Title

Compliance Mgr.

Phone Number (Area Code and Number)

770-858-2564

VI. Installation Contact Address (See instructions)A. Contact Address
Location Mailing☐☐

B. Street or P.O. Box

2999 Circle 75 Parkway

City or Town

Atlanta

State

Zip Code

GA 30339-

VII. Ownership (See instructions)**A. Name of Installation's Legal Owner**

Genuine Parts Company

Street, P.O. Box, or Route Number

2999 Circle 75 Parkway

City or Town

Atlanta

State

Zip Code

GA 30339-

Phone Number (Area Code and Number)

770-858-2564

B. Land Type

P

C. Owner Type

P

D. Change of Owner
IndicatorYes ☒No ☐

Date Changed

Month

Day

Year

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02
GSA No. 0246-EPA-OT

ID - For Official Use Only

IND0000806810

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions)

A. Hazardous Waste Activities

1. Generator (See Instructions)
- ☒ a. Greater than 1000kg/mo (2,200 lbs.)
- ☐ b. 100 to 1000 kg/mo (220-2,200 lbs.)
- ☐ c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5 below)
- ☐ a. For own waste only
- ☐ b. For commercial purposes
- Mode of Transportation
- ☐ 1. Air
- ☐ 2. Rail
- ☐ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify _____
- ☐ 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see instructions.
4. Exempt Boiler and/or Industrial Furnace
- ☐ a. Smelting, Melting, and Refining Furnace Exemption
- ☐ b. Small Quantity On-Site Burner Exemption
- ☐ 5. Underground Injection Control

C. Used Oil Management Activities

1. Used Oil Transporter/Transfer Facility - Indicate Type(s) of Activity(ies)
- ☐ a. Transporter
- ☐ b. Transfer Facility
2. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
- ☐ a. Processor
- ☐ b. Re-refiner
- ☐ 3. Off-Specification Used Oil Burner
4. Used Oil Fuel Marketer
- ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Used Oil Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

B. Universal Waste Activity

- ☐ Large Quantity Handler of Universal Waste

IX. Description of Hazardous Wastes (Use additional sheets if necessary)

A. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)

1
F001
7

2
F002
8

3
B0003
9

4
D0006
10

5
11

6
12

B. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24; See instructions if you need to list more than 4 toxicity characteristic waste codes.)

- (List specific EPA hazardous waste number(s) for the Toxicity Characteristic contaminant(s))
1. Ignitable (D001) ☐
2. Corrosive (D002) ☐
3. Reactive (D003) ☐
4. Toxicity Characteristic ☒
1. 0006
2. 0008
- 3.
- 4.

C. Other Wastes. (State-regulated or other wastes requiring a handler to have an I.D. number; See instructions.)

1

2

3

4

5

6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature
Robert M. LewisName and Official Title (Type or print)
ROBERT M. LEWIS, ENVIRONMENTAL MGRDate Signed
7/25/00

XI. Comments

Genuine Parts Company leased property from Associated Properties, 555 Harding Ave., Indy 46222
317-634-6190 at time of waste generation

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section IV of the booklet for addresses.)

Out of Business

Marion 1A



**OFFICE OF LAND QUALITY
HAZARDOUS WASTE HANDLER IDENTIFICATION**

ID FORM

INFORMATION ON FILE as of 10/26/2001		CHANGES NEEDED (please print)
COUNTY	MARION	Reason for submittal <input type="checkbox"/> Subsequent notification to update information <input checked="" type="checkbox"/> As a component of the annual or biennial report <input type="checkbox"/> As a component of the annual operation fees
RCRA ID	IND000806810	
NAME	FORMER ALLISON PLT 10	
LOCATION ADDRESS	700 N OLIN AVE INDIANAPOLIS IN 46222	<input type="checkbox"/> we moved * <input type="checkbox"/> post office change
MAILING ADDRESS	2999 CIRCLE 75 PKWY ATLANTA GA 30339	
CONTACT	ROBERT LEWIS COMPL MGR 2999 CIRCLE 75 PKWY ATLANTA GA 30339 770-858-2564 Ext BOB_LEWIS@GENPT.COM	
OWNER	GENUINE PARTS CO 2999 CIRCLE 75 PKWY ATLANTA GA 30339 770-858-2564 Ext	Did the owner change? <input type="checkbox"/> Yes <input type="checkbox"/> No Date changed: ____/____/____
Land type	P (See instructions for codes)	* WARNING If you have moved you may no longer use your old RCRA ID number. IDEM will issue a number for your new location.
Owner type	P	

Contact for
questions on the
Annual/Biennial report

Last Name LEWIS
Title ENVIRONMENTAL MGR

First Name ROBERT
Phone # 770-858-2564

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Last Name LEWIS First name ROBERT Title ENVIRONMENTAL MGR
Signature Robert M. Lewis Date 1/2/02

HAZARDOUS WASTE ACTIVITY	OLQ records	Current status	Previous (report) year status When ID form is sent with fees or report
GENERATOR LQG = large quantity SQG = small quantity CESQG = conditionally exempt	LQG	<input type="checkbox"/> LQG <input type="checkbox"/> SQG <input type="checkbox"/> CEG <input checked="" type="checkbox"/> Non-handler* <input type="checkbox"/> Out of Business*	<input checked="" type="checkbox"/> LQG <input type="checkbox"/> SQG <input type="checkbox"/> CEG <input type="checkbox"/> Non-handler* <input type="checkbox"/> Out of Business*
TREATMENT, STORAGE, DISPOSAL FACILITY		<input type="checkbox"/> Active TSD <input type="checkbox"/> Inactive TSD <input type="checkbox"/> Completed RCRA closure <input type="checkbox"/> Post closure activities	<input type="checkbox"/> Active TSD <input type="checkbox"/> Inactive TSD <input type="checkbox"/> Completed RCRA closure <input type="checkbox"/> Post closure activities
TRANSPORTER S = we transport our own waste C = we transport waste for others X = transporter, status unknown		<input type="checkbox"/> We transport our own waste (S) <input type="checkbox"/> We transport for others (C) <input type="checkbox"/> No longer transport; still in business <input type="checkbox"/> Out of business	* If you have checked out of business or non-handler, we will deactivate your RCRA ID number. You must re-notify IDEM before you may reuse the number.
EXEMPT BOILER and/or INDUSTRIAL FURNACE smelting, melting, refining exemption small quantity on site burner exemption	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> smelting, melting, refining exemption <input type="checkbox"/> small quantity on site exemption	

USED OIL

<input type="checkbox"/> Transporter	<input type="checkbox"/> Processor	<input type="checkbox"/> Marketer who directs shipment to off-specification burner
<input type="checkbox"/> Transfer Facility	<input type="checkbox"/> Re-refiner	<input type="checkbox"/> Marketer who first claims the oil meets specifications
<input type="checkbox"/> Collection Ctr	<input type="checkbox"/> Recycler	<input type="checkbox"/> Off-specification Used Oil Burner

UNIVERSAL WASTE

☐
 L = large handler
 S = small handler

TRANSFER FACILITY

<input type="checkbox"/> Mix	<input type="checkbox"/> Combine	<input type="checkbox"/> Pump	<input type="checkbox"/> Open containers
<input type="checkbox"/> Bulk	<input type="checkbox"/> Comingle	<input type="checkbox"/> Repackage	<input type="checkbox"/> Transfer between vehicles

NAICS CODES

44131
 (primary)

(See instructions for NAICS and HW codes)

HW CODES

COMMENTS

GENUINE PARTS COMPANY DOES NOT OWN THE PROPERTY SITE.
 WE ARE CONDUCTING SITE REMEDIATION WHICH GENERATED HAZARDOUS WASTES. THE PROPERTY OWNER IS JOHN LOUDERMILK.



Hamilton Co 1A

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Frank O'Bannon
Governor

John M. Hamilton
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Telephone 317-232-8603
Environmental Helpline 1-800-451-6027

November 6, 1997

Mr. Kevin W. Caraker
Environmental Engineer
Environmental Sciences
Allison Engine Company
P. O. Box 420, Mail Stop N23
Indianapolis, Indiana 46206-0420

Dear Mr. Caraker:

Re: U.S. EPA ID Number IND000806810
Location: 700 N. Olin Avenue
Indianapolis, Indiana

In response to your correspondence dated November 3, 1997, the following information has been updated:

Generator Status: Conditionally Exempt Small Quantity Generator

If you have any questions or need further assistance, please contact me at 317-232-7956.

Sincerely,

Marilyn J. Hansen, Environmental Manager
Hazardous Waste Data Analysis and
Waste Minimization Section
Hazardous Waste Compliance Branch
Solid and Hazardous Waste Management

Please refer to the Instructions for Filling Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

NOV 06 1997

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐

A. First Notification

☒B. Subsequent Notification
(Complete Item C)

C. Installation's EPA ID Number

I N D 0 0 0 8 0 6 8 1 0

II. Name of Installation (Include company and specific site name)

A L L I S O N E N G I N E C O M P A N Y P L T 1 0

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

7 0 0 N. O L I N A V E.

Street (Continued)

City or Town

I N D I A N A P O L I S

State

Zip Code

I N 4 6 2 0 6 -

County Code

County Name

0 9 7 M A R I O N

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

P O B O X 4 2 0 M A I L S T O P N 2 3

City or Town

I N D I A N A P O L I S

State

Zip Code

I N 4 6 2 0 6 -

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last)

C A R A K E R

(First)

K E V I N

Job Title

E N V E N G I N E E R

Phone Number (Area Code and Number)

3 1 7 - 2 3 0 - 6 0 9 5

VI. Installation Contact Address (See Instructions)

A. Contract Address
Location Mailing Other☐☒☐

B. Street or P.O. Box

City or Town

State

Zip Code

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner

R O L L S _ R O Y C E N O R T H A M E R I C A I N C

Street, P.O. Box, or Route Number

1 1 9 1 1 F R E E D O M D R I V E

City or Town

R E S T O N

State

Zip Code

V A 2 2 0 9 0 -

Phone Number (Area Code and Number)

7 0 3 - 8 3 4 - 1 7 0 0

B. Land Type

P

C. Owner Type

P

D. Change of Owner Indicator

Yes

X

No

(Date Changed)

Month

Day

Year

ID - For Official Use Only							

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes; Refer to Instructions)

A. Hazardous Waste Activity

B. Used Oil Recycling Activities

1. Generator (See Instructions)
 - ☐ a. Greater than 1000kg/mo (2,200 lbs.)
 - ☐ b. 100 to 1000 kg/mo (200-2,200 lbs.)
 - ☒ c. Less than 100 kg/mo (220 lbs.)
 2. Transporter (Indicate Mode in boxes 1-5 below)
 - ☐ a. For own waste only
 - ☐ b. For commercial purposes

Mode of Transportation

 - ☐ 1. Air
 - ☐ 2. Rail
 - ☐ 3. Highway
 - ☐ 4. Water
 - ☐ 5. Other - specify _____
 - ☐ 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity; see instructions.
 4. Hazardous Waste Fuel
 - ☐ a. Generator Marketing to Burner
 - ☐ b. Other Marketers
 - ☐ c. Boiler and/or Industrial Furnace
 - ☐ 1. Smelter Deferral
 - ☐ 2. Small Quantity Exemption

Indicate Type of Combustion Device(s)

 - ☐ 1. Utility Boiler
 - ☐ 2. Industrial Boiler
 - ☐ 3. Industrial Furnace
 - ☐ 5. Underground Injection Control

1. Used Oil Fuel Marketer
 - ☐ a. Marketer Directs Shipment of Used Oil to Off-Specification Burner
 - ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications
2. Used Oil Burner - Indicate Type(s) of Combustion Device(s)
 - ☐ a. Utility Boiler
 - ☐ b. Industrial Boiler
 - ☐ c. Industrial Furnace
3. Used Oil Transporter - Indicate Type(s) of Activity(ies)
 - ☐ a. Transporter
 - ☐ b. Transfer Facility
4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
 - ☐ a. Process
 - ☐ b. Re-refine

IX. Description of Hazardous Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)

- [illegible]

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)

1			
7			

2			
8			

3			
9			

4			
10			

5			
11			

6			
12			

C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number; See instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature M Hudson

Name and Official Title (Type or print)
S. M. Hudson, President & CEO

Date Signed
29/OCT/1997

S. M. Hudson, President & CEO

29/OCT/1997

XI. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)



Allison Engine Company P.O. Box 420 Indianapolis, Indiana 46206-0420

Tel: (317) 230-6095
Fax: (317) 230-6047

November 3, 1997

Ms. Marilyn Hansen
Office of Solid and Hazardous Waste
Indiana Department of Environmental Management
100 N. Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015

Re: Allison Engine Company, Plant 10
Notification of Regulated Waste Activity
EPA ID No. IND000806810

Dear Ms. Hansen:

EPA Form 8700-12 is herein submitted to update generator status for Allison Engine Company Plant 10 (IND000806810). The property is now leased by Allison Engine Company and the present tenant does not generate hazardous waste. The previous owner, General Motors Corporation, has obtained a temporary ID for any waste which may be generated by any remediation activity conducted at this site.

If you have any question, please contact me at (317) 230-6095.

Sincerely,

Kevin W. Caraker
Environmental Engineer
Environmental Sciences





INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live

Evan Bayh
Governor
Kathy Prosser
Commissioner

105 South Meridian Street
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Telephone 317-232-8603
Environmental Helpline 1-800-451-6027

August 31, 1992

Ms. Lynn Gibboney
Allison Transmission Division
P.O. Box 894
Indianapolis, Indiana 46206

Dear Ms. Gibboney:

Re: Manifest Record Review
Allison Transmission Division
EPA I.D. Nos. IND 006413348
IND 072082316
IND 000806828
IND 000806794
IND 000806810
IND 000806802
IND 981952716
Indianapolis, Marion County

The Indiana Department of Environmental Management (IDEM), Office of Solid and Hazardous Waste Management (OSHW), Manifest Tracking (MT) staff conducted a Manifest Record Review (MRR) on August 25, 1992, at your facility located at 4700 West 10th Street, Indianapolis, Indiana. Mr. Phillip Duvall, r presented Allison Transmission Division during this MRR.

Based upon documents available to the MT staff on this date, it has been determined that Allison Transmission Division is in compliance with Indiana Administrative Code 329 IAC 3.1.

If you have further questions relative to this letter, please contact Mr. Julian J. Mills of this office at 317/232-7955.

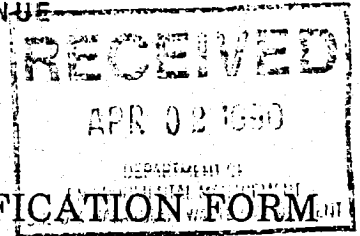
Very Truly Yours,

T.J. Knotts, Chief
Policy and Planning Branch
Solid and Hazardous Waste Management



STATE OF INDIANA
BIENNIAL REPORT 1989

GMC-DDAD-PLANT 10
700 N. OLIN AVENUE
INDIANAPOLIS
GEN
IND000806810



FORM I: INSTALLATION IDENTIFICATION FORM

WHO MUST COMPLETE FORM I? Every site that receives this package.

INSTRUCTIONS: Please refer to the specific instructions before completing all forms. The information requested herein is required by IC 13-7-8.5-2.

I. INSTALLATION'S EPA I.D. NUMBER		I N D 0 0 0 8 0 6 8 1 0	
II. NAME OF INSTALLATION		P L A N T 1 0 A L L I S O N G A S T U R B I N E - G M	
III. INSTALLATION MAILING ADDRESS			
Street Or P.O. Box		P 0 B 0 X 1 4 2 0 S 4 4 A	
City Or Town		I N D I A N A P O L I S	
State		I N Zip Code 4 6 2 0 6	
IV. LOCATION OF INSTALLATION			
Street Or P.O. Box		7 0 0 N O R T H O L I N A V E	
City Or Town		I N D I A N A P O L I S	
State		I N Zip Code 4 6 2 2 2 County M A R I O N	

V. HAZARDOUS WASTE ACTIVITY

Mark the boxes that reflect the activities at your facility in 1989.

- | | |
|--|--|
| <input type="checkbox"/> Large Quantity Generator (G)
generated 1,000 or more kg/month of RCRA
hazardous waste | <input type="checkbox"/> RCRA Exempt
treatment, recycling or disposal was conducted in
RCRA exempt units |
| <input type="checkbox"/> Small Quantity Generator (SQG)
generated between 100-1,000 kg/month of RCRA
hazardous waste | |
| <input type="checkbox"/> Conditionally Exempt Generator (CEG)
generated less than 100 kg/month of RCRA
hazardous waste | |
| <input type="checkbox"/> Transporter (T)
transported RCRA hazardous waste | |
| <input type="checkbox"/> Treatment, Storage or Disposal Facility (TSD)
operated under interim status or a final RCRA permit | |
| <input checked="" type="checkbox"/> Non handler
Did not handle RCRA hazardous waste because: | |
| <input type="checkbox"/> We never generated | <input checked="" type="checkbox"/> Occasional generator (but none in 1989) |
| <input type="checkbox"/> We are out of business | <input type="checkbox"/> Other (Specify in Comments) |
| <input type="checkbox"/> Only excluded or delisted waste | |

PAGE 1 OF 2 (OVER)

Check to see if items II, IV, & V are identical to the information in the label on Form I. If not, please indicate why in the boxes below.

VI. STATUS CHANGES

- ☐ a. We have moved.
- ☐ b. We have changed ownership.
- ☐ c. We have changed hazardous waste activity.

** If any of the above three boxes are marked, you will need to fill out the EPA Notification of Hazardous Waste Activity Form, and return it with this packet.

- ☐ d. We have gone out-of-business.
- ☐ e. We no longer handle hazardous waste.

** If you check either of these boxes, we will deactivate your EPA ID number and you may no longer use it without renotifying U.S. EPA, Region V.

- ☒ f. We have changed our name (but not ownership).

VII. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE (See Table I)

(1) 4 2 2 5 (2) (3) (4)

VIII. INSTALLATION CONTACT

Last Name E T Z E L	First Name G R E G O R Y	Phone (area code & no.) 3 1 7 / 2 3 0 - 3 4 6 0
------------------------	-----------------------------	--

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

F. B. Wallace, V.P. & Gen. Mgr.

(A.) PRINT OR TYPE NAME AND TITLE



(B.) SIGNATURE

4-2-9

(C.) DATE SIGNED

Please print or type with ELITE type (12 characters per inch). On behalf of General Motors



Allison

April 25, 1985

APR 29 3 30 PM '85
DIV. OF LAND POLLUTION CONTROL
STATE BOARD OF HEALTH

Jacqueline Strecker
Land Pollution Control Division
Indiana State Board of Health
1330 W. Michigan
Indianapolis, Indiana 46202

Dear Ms. Strecker:

As a result of my conversation with you on April 11, 1985, I feel that an update on the Detroit Diesel Allison and Allison Gas Turbine Divisions here in Indianapolis is warranted. This update will provide information so that your files can be updated and future confusion eliminated in your filing systems and correspondence relative to our operations in Marion County.

The actual plant locations and numbers, plus the EPA identification numbers for Detroit Diesel Allison Division in Indianapolis are as follows:

Detroit Diesel Allison Division
4700 W. 10th Street
P. O. Box 894
Indianapolis, IN 46206

<u>Plant No.</u>	<u>I.D. #</u>
1 ✓	IND072082316 ✓
2 ✓	IND000806828 ✓
3	IND006413348 ✓
4	IND000806794 ✓
12/14	IND000806802 ✓

The actual plant locations and numbers, plus the EPA identification numbers for Allison Gas Turbine Division in Indianapolis are as follows:

Allison Gas Turbine Division
2001 South Tibbs Ave.
P.O. Box 420
Indianapolis, Indiana 46206-0420

<u>Plant No.</u>	<u>I.D. #</u>
5	IND000806836 ✓
8	IND094469913 ✓
10	IND000806810 ✓

Your contact for environmental information, etc. for any of these locations is:

Pete Cook
Speed Code S-44A
Allison Gas Turbine Division, GMC
P.O. Box 420
Indianapolis, Indiana 46206-0420

Thank you for your cooperation in this matter.

Sincerely,



P. P. Cook, Superintendent
Environmental Science

PPC/gl (41285c)
xc: Ralph Pickard
David Lamm ✓
Harry Williams
Earl A. Bohner
Valdas Adamkus



Detroit Diesel Allison
Division of General Motors Corporation

61
Indianapolis Operations

P.O. Box 894
Indianapolis, Indiana 46206
Phone: (317) 242-5000
Cable: GM COMM IND A

28 October 1982

Mr. Valdas Adamkus
Regional Administrator
Region V EPA
230 South Dearborn
Chicago, Illinois 60604

Dr. Ronald G. Blankenbaker
Commissioner
Indiana State Board of Health
1330 West Michigan
P.O. Box 1964
Indianapolis, Indiana 46206

Subject: Delegation of Authority to Sign U.S. EPA Reports

For all reports and other information required of the Indianapolis Operations of Detroit Diesel Allison Division of General Motors, and as specified in the Code of Federal Regulations (40CFR122.6), the authority to sign for permits and other information required by the Environmental Protection Agency is delegated to the Plant Engineer of Indianapolis Operations.

A handwritten signature in dark ink, appearing to read 'L. F. Koci'.

L. F. Koci
General Manager

cc: R. G. Barnes

cou Manson
file 1A

NOTIFIER DATABASE
INFORMATION UPDATE FORM

EPA ID IND 000806810 NAME Allison Engine Co
Plt 10

Review the attached notification and change any information that is different from our current information. IF THE LOCATION ADDRESS IS DIFFERENT DO NOT MAKE ANY CHANGES. Return the form to Marilyn Hansen.

NEW NAME _____
(put old name into alias field)

PREVIOUS ID _____

LOCATION ADDRESS _____

MAILING ADDRESS _____

CONTACT _____ PHONE _____

LAND TYPE _____ OWNER TYPE _____

STATUS CODE _____ 1=active 5=out-of-business 6=non-handler
OFFICIAL FL _____ 2=reg under other ID 3=dead mail

SIC CODES _____

GENERATOR _____ TRANSPORTER _____ TSD _____
1=LQG s=for own waste
2=SQG c=commercially
3=CEG x=don't know

COMMENTS _____

NAME Marilyn Hansen DATE 12/1/95

over →

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 9-30-96
GSA No. 0246-EPA-OT

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

NOV 28 1995

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐ A. First Notification ☒ B. Subsequent Notification
(Complete item C)

C. Installation's EPA ID Number

I N D 0 0 0 8 0 6 8 1 0

II. Name of Installation (Include company and specific site name)

A L L I S O N E N G I N E E R I N G C O M P A N Y P L T 1 0

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

7 0 0 N. O L I N A V E

Street (Continued)

City or Town

I N D I A N A P O L I S

State

Zip Code

I N

4 6 2 0 6 -

County Code

County Name

0 9 7

M A R I O N

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

P O B O X 4 2 0 M A I L S T O P N 2 3

City or Town

I N D I A N A P O L I S

State

Zip Code

I N

4 6 2 0 6 -

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last)

(First)

C A R A K E R

K E V I N

Job Title

Phone Number (Area Code and Number)

E N V E N G I N E E R

3 1 7 - 2 3 0 - 6 0 9 5

VI. Installation Contact Address (See Instructions)

A. Contract Address

Location Mailing Other

☐ ☒ ☐

B. Street or P.O. Box

City or Town

State

Zip Code

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner

R O L L S - R O Y C E N O R T H A M E R I C A I N C

Street, P.O. Box, or Route Number

1 1 9 1 1 F R E E D O M D R I V E

City or Town

State

Zip Code

R E S T O N

V A

2 2 0 9 0 -

Phone Number (Area Code and Number)

B. Land Type

C. Owner Type

D. Change of Owner Indicator

(Date Changed)

7 0 3 - 8 3 4 - 1 7 0 0

P

P

Yes

X

No

Month

Day

Year

0 3 2

4

9 5

AMMH001359

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes; Refer to Instructions)

A. Hazardous Waste Activity

1. Generator (See Instructions)
- ☒ a. Greater than 1000kg/mo (2,200 lbs.)
- ☐ b. 100 to 1000 kg/mo (200-2,200 lbs.)
- ☐ c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5 below)
- ☐ a. For own waste only
- ☐ b. For commercial purposes
- Mode of Transportation
- ☐ 1. Air
- ☐ 2. Rail
- ☐ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify
3. Treater, Storer, Disposer (at Installation) Note: A permit is required for this activity; see instructions.
4. Hazardous Waste Fuel
- ☐ a. Generator Marketing to Burner
- ☐ b. Other Marketers
- ☐ c. Boiler and/or Industrial Furnace
- ☐ 1. Smelter Deferral
- ☐ 2. Small Quantity Exemption
- Indicate Type of Combustion Device(s)
- ☐ 1. Utility Boiler
- ☐ 2. Industrial Boiler
- ☐ 3. Industrial Furnace
- ☐ 5. Underground Injection Control

B. Used Oil Recycling Activities

1. Used Oil Fuel Marketer
- ☐ a. Marketer Directs Shipment of Used Oil to Off-Specification Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications
2. Used Oil Burner - Indicate Type(s) of Combustion Device(s)
- ☐ a. Utility Boiler
- ☐ b. Industrial Boiler
- ☐ c. Industrial Furnace
3. Used Oil Transporter - Indicate Type(s) of Activity(ies)
- ☐ a. Transporter
- ☐ b. Transfer Facility
4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
- ☐ a. Process
- ☐ b. Re-refine

IX. Description of Hazardous Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001) ☐
2. Corrosive (D002) ☐
3. Reactive (D003) ☐
4. Toxicity Characteristic (List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s))
- ☒ X D 0 0 6 D 0 0 7 D 0 0 8

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6
F 0 0 1	F 0 0 2				
7	8	9	10	11	12

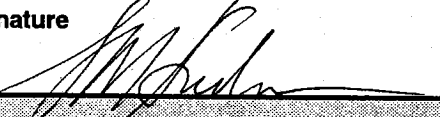
C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number; See Instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature



Name and Official Title (Type or print)

S. M. HUDSON, President & COO

Date Signed

11/2/95

XI. Comments

VII. D - See attached.

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

Comment (Item VII.D) - EPA Notification of Regulated Waste
Activity, EPA Form 8700-12
EPA ID. No. IND000806810

The following is provided to clarify ownership changes from 1993
to present.

Prior to December 1, 1993

<u>Name of Installation</u>	<u>Owner</u>
Allison Gas Turbine Plant 10	General Motors Corporation 3044 N. Grand Blvd. Detroit, MI 48202 Phone: (313) 974-5000

December 1, 1993 through March 23, 1995

<u>Name of Installation</u>	<u>Owner</u>
Allison Engine Company Plant 10	Clayton, Dublier, and Rice 126 E 56th Street New York, NY 10022 Phone: (212) 407-5200

March 24, 1995 to Present

<u>Name of Installation</u>	<u>Owner</u>
Allison Engine Company Plant 10	Rolls-Royce North America Inc. 11911 Freedom Drive Reston, VA 22090 Phone: (703) 834-1700



Allison Engine Company P.O. Box 420 Indianapolis, Indiana 46206-0420

Tel: (317) 230-6095

Fax: (317) 230-6047

November 1, 1995

U.S. EPA Region V
RCRA Activities
P.O. Box A3587
Chicago, Illinois 60690

Re: Allison Engine Company Plant 10, EPA ID No. IND000806810

To whom it may concern:

EPA Form 8700-12 is herein submitted to update hazardous waste generator information for Allison Engine Company - Plant 10 (IND000806810). A change of ownership of this facility has occurred and is indicated in Section VII.

If you have any question, please contact me at (317) 230-6095.

Sincerely,

Kevin W. Caraker
Environmental Engineer
Environmental Sciences

cc: J. Dooley, Indiana Department of Environmental Management



STATE OF INDIANA
HAZARDOUS WASTE HANDLER INFORMATION UPDATE FORM

EPA ID: IND000806810
NAME: ALLISON ENGINE CO INC PLANT 10
Change Is the name change due to a change in ownership? yes no
LOCATION ADDRESS: 700 N OLIN AVE IN 46222
Change
COUNTY: MARION
INVOICE: 95300098
*** HAZARDOUS WASTE ACTIVITY ***
GENERATOR STATUS DEM 1994 1995
LQG 499 499
(please indicate LQG, SQG, or CEG)

TRANSPORTER STATUS
S=for our own waste
C=commercially

TSD STATUS
(includes inactive TSD's who have not completed RCRA closure)

POST CLOSURE STATUS
(indicates site has post closure activity)

* NON HANDLER

* OUT OF BUSINESS

* ONE TIME GENERATOR

* If you have checked one of these categories, your EPA ID number will be deactivated and you will have to reapply for it if you ever need to manifest waste off-site again.

SIC CODES: 3724
PRIMARY
4225
SECONDARY

COMMENTS:

SIGNATURE: *Sam. Capra on behalf of Allison Engine Co*

DATE: 3/1/95

Is the location address change due to a move or did the Post Office change your address?
We moved PO change Other (please explain in comments)

MAILING ADDRESS: PO BOX 420 MS N23 IN 46206

Change

CONTACT: CARAKER, KEVIN
PO BOX 420 MS N23 IN 46206
INDIANAPOLIS
317-230-6095

Change ~~PO Box 420~~

OWNER: ALLISON ENGINE CO INC IN 46206
PO BOX 420
INDIANAPOLIS

Change

county Mason
file 1A

NOTIFIER DATABASE
INFORMATION UPDATE FORM

EPA ID IND000806810 NAME Allison Engine Co
Plt 10

Review the attached notification and change any information that is different from our current information. IF THE LOCATION ADDRESS IS DIFFERENT DO NOT MAKE ANY CHANGES. Return the form to Marilyn Hansen.

NEW NAME _____
(put old name into alias field)

PREVIOUS ID _____

LOCATION ADDRESS _____

MAILING ADDRESS _____

CONTACT _____ PHONE _____

LAND TYPE _____ OWNER TYPE _____

STATUS CODE _____ 1-active 5-out-of-business 6-non-handler
OFFICIAL FL _____ 2-reg under other ID 3-dead mail

SIC CODES _____

GENERATOR _____ TRANSPORTER _____ TSD _____
1-LQG s-for own waste
2-SQG c-commercially
3-CEG x-don't know

COMMENTS Reactivated ID #

NAME Marilyn Hansen DATE 10/21/94

over +

HWF-GMB-FL _____ HWF-OM-FL _____ HWF-BURNER-FL _____
OSUOF-GMB-FL _____ OSUOF-OM-FL _____ OSUOF-BURNER-FL _____
SPEC-OIL-MKTR _____
UTIL-BOILER _____ INDUST-BOILER _____ INDUS-FURN-FL _____
AIR-FL _____ RAIL-FL _____ HIGHWAY _____ WATER-FL _____ OTHER _____
INCINERATOR _____ CONTAINERS _____ TANKS _____
SURF-IMPOUND _____ LANDFIL _____ LAND-TREAT _____
WASTE-PILES _____ OTHER _____
LAND-DISP-UNIV _____ STORE-TREAT-UNIV _____

COMMENTS _____

INSTALLATION ADDRESS & CONTACT PERSON PER CH 10/30/94

Please print or type with ELITE type (12 char per inch) in the unshaded areas only

Please refer to the Instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

OCT 20 1994

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐

A. First Notification

☒

B. Subsequent Notification
(Complete item C)

C. Installation's EPA ID Number

I N D 0 0 0 8 0 6 8 1 0

II. Name of Installation (Include company and specific site name)

A L L I S O N E N G I N E C O M P A N Y P L T I O

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

700 N OLIN AVE

Street (Continued)

City or Town

INDIANAPOLIS

State

Zip Code

IN 46206-

County Code

County Name

097 MARION

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

P O B O X 4 2 0 M S N 2 3

City or Town

I N D I A N A P O L I S

State

Zip Code

IN 46206-

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last)

(First)

CARAKER

KEVIN

Job Title

Phone Number (Area Code and Number)

WATER & WASTE

317-230-6095

VI. Installation Contact Address (See Instructions)

A. Contact Address

Location Mailing Other

☐ ☒ ☐

B. Street or P.O. Box

City or Town

State

Zip Code

VII. Ownership (See Instructions)

A. Name of installation's Legal Owner

A L L I S O N E N G I N E C O M P A N Y

Street, P.O. Box, or Route Number

P O B O X 4 2 0

City or Town

State

Zip Code

I N D I A N A P O L I S

IN 46206-

Phone Number (Area Code and Number)

3 1 7 - 2 3 0 - 5 4 5 6

B. Land Type

P

C. Owner Type

P

D. Change of Owner Indicator

Yes

X

No

(Date Changed)

Month

Day

Year

1 2 0 1 9 3

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes; Refer to Instructions)

A. Hazardous Waste Activity		B. Used Oil Recycling Activities
1. Generator (See Instructions) <input checked="" type="checkbox"/> a. Greater than 1000kg/mo (2,200 lbs.) <input type="checkbox"/> b. 100 to 1000 kg/mo (200-2,200 lbs.) <input type="checkbox"/> c. Less than 100 kg/mo (220 lbs.)	<input type="checkbox"/> 3. Treater, Storer, Disposer (at Installation) Note: A permit is required for this activity; see instructions. <input type="checkbox"/> 4. Hazardous Waste Fuel a. Generator Marketing to Burner <input type="checkbox"/> b. Other Marketers <input type="checkbox"/> c. Boiler and/or Industrial Furnace 1. Smelter Deferral <input type="checkbox"/> 2. Small Quantity Exemption Indicate Type of Combustion Device(s) <input type="checkbox"/> 1. Utility Boiler <input type="checkbox"/> 2. Industrial Boiler <input type="checkbox"/> 3. Industrial Furnace <input type="checkbox"/> 5. Underground Injection Control	1. Used Oil Fuel Marketer <input type="checkbox"/> a. Marketer Directs Shipment of Used Oil to Off-Specification Burner <input type="checkbox"/> b. Marketer Who First Claims the Used Oil Meets the Specifications 2. Used Oil Burner - Indicate Type(s) of Combustion Device(s) <input type="checkbox"/> a. Utility Boiler <input type="checkbox"/> b. Industrial Boiler <input type="checkbox"/> c. Industrial Furnace 3. Used Oil Transporter - Indicate Type(s) of Activity(ies) <input type="checkbox"/> a. Transporter <input type="checkbox"/> b. Transfer Facility 4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies) <input type="checkbox"/> a. Process <input type="checkbox"/> b. Re-refine
2. Transporter (Indicate Mode in boxes 1-5 below) <input type="checkbox"/> a. For own waste only <input type="checkbox"/> b. For commercial purposes Mode of Transportation <input type="checkbox"/> 1. Air <input type="checkbox"/> 2. Rail <input type="checkbox"/> 3. Highway <input type="checkbox"/> 4. Water <input type="checkbox"/> 5. Other - specify <div></div>		

IX. Description of Hazardous Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic (List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s))
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			F 0 0 1

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)

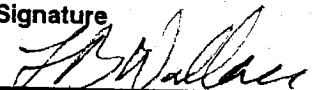
1	2	3	4	5	6
7	8	9	10	11	12

C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number; See instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature 	Name and Official Title (Type or print) F. BLAKE WALLACE, PRESIDENT, CEO	Date Signed 10-15-94
--	---	-------------------------

XI. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)



October 17, 1994

Ms. Marilyn Hansen
Indiana Department of Environmental Management
Office of Solid and Hazardous Waste Management
P. O. Box 7035
Indianapolis, Indiana 46207-7035

Dear Ms. Hansen:

This letter is written to inform you of hazardous waste activities at Allison Engine Company Plant 10. We are requesting reactivation of EPA ID No. IND000806810 as a hazardous waste generator by submitting EPA form 8700-12.

If you have any questions please feel free to contact me at (317) 230-5456. Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script that reads "Patricia A. Ellis".
Patricia A. Ellis, Manager
Environmental Sciences

County Marion
IA

nh
3/2/94

NOTIFIER DATABASE
INFORMATION UPDATE FORM

EPA ID IND 000 806 810 NAME Allison Gas Turbine Plt 10

Review the attached notification and change any information that is different from our current information. **IF THE LOCATION ADDRESS IS DIFFERENT DO NOT MAKE ANY CHANGES.** Return the form to Marilyn Hansen.

NEW NAME Allison Engine Co Inc Plnt 10
(put old name into alias field)

PREVIOUS ID _____

LOCATION ADDRESS _____

MAILING ADDRESS PO Box 420 MS N23

CONTACT _____ PHONE _____

LAND TYPE _____ OWNER TYPE _____

STATUS CODE 6 1=active 5=out-of-business 6=non-handler
OFFICIAL FL _____ 2=reg under other ID 3=dead mail

SIC CODES _____

GENERATOR Delete TRANSPORTER _____ TSD _____
1=LQG s=for own waste
2=SQG c=commercially
3=CEG x=don't know

COMMENTS New Owner Allison Engine Co Inc

NAME Marilyn Hansen DATE 3/2/94

over →

**STATE OF INDIANA
1993 HAZARDOUS WASTE HANDLER INFORMATION UPDATE FORM**

EPA ID: IND. 000806836 *000806810* *000806810*

NAME: ALLISON ENGINE CO., INC. - PLANT 10

Change AS ABOVE
Is the name change due to a change in ownership? X yes no

LOCATION 700 N. OLIN AVE. *2355 S. 11th*
ADDRESS: INDIANAPOLIS, IN 46222 *LDF*

Change

Is the location address change due to a move or did the Post Office change your address?
none
We moved PO change Other (please explain in comments)

MAILING P. O. BOX 420, MAIL STOP N-23
ADDRESS: INDIANAPOLIS, IN 46206

Change AS ABOVE

CONTACT: KEVIN CARAKER
P. O. BOX 420, STOP N23
INDIANAPOLIS, IN 46206

Change AS ABOVE

OWNER: ALLISON ENGINE CO., INC.

Change AS ABOVE
MAR 11 28 AM '94

WASTE MGMT
DEM

OFFICE OF SOLID
AND HAZARDOUS

per Kevin Caraker 3/2/94

COUNTY: MARION

*** HAZARDOUS WASTE ACTIVITY ***

DEM 1993 FUTURE

Large Quantity Generator (LQG) _____

Small Quantity Generator (SQG) X _____

Conditionally Exempt (CEG) _____

Transporter S = for our own waste
C = commercially _____

Treatment, storage, & disposal (TSD) _____

* NON HANDLER _____ X _____

* OUT OF BUSINESS _____

* ONE TIME GENERATOR _____

* If you have checked one of these categories, your EPA ID number will be deactivated and you will have to reapply for it if you ever need to manifest waste off-site again.

SIC CODES: 3724 PRIMARY SECONDARY

COMMENTS: No previous form available. Change of

ownership in 1993. Deactivation requested prior to change of ownership (Nov. '93)

SIGNATURE: *Patricia A. Ellis*

DATE: 2/28/94

cc Marilyn
file 1A

12/21/93

NOTIFIER DATABASE
INFORMATION UPDATE FORM

EPA ID IND000806810 NAME Allison Gas Turbine Pkt 10

Review the attached notification and change any information that is different from our current information. IF THE LOCATION ADDRESS IS DIFFERENT DO NOT MAKE ANY CHANGES. Return the form to Marilyn Hansen.

NEW NAME _____
(put old name into alias field)

PREVIOUS ID _____

LOCATION ADDRESS _____

MAILING ADDRESS _____

CONTACT _____ PHONE _____

LAND TYPE _____ OWNER TYPE _____

STATUS CODE = 6 1=active 5=out-of-business 6=non-handler
OFFICIAL FL _____ 2=reg under other ID 3=dead mail

SIC CODES _____

GENERATOR Delete TRANSPORTER _____ TSD _____
1=LQG s=for own waste
2=SQG c=commercially
3=CEG x=don't know

COMMENTS _____

NAME Marilyn Hansen DATE 12/21/93

over →

HWF-GMB-FL _____ HWF-OM-FL _____ HWF-BURNER-FL _____
OSUOF-GMB-FL _____ OSUOF-OM-FL _____ OSUOF-BURNER-FL _____
SPEC-OIL-MKTR _____
UTIL-BOILER _____ INDUST-BOILER _____ INDUS-FURN-FL _____
AIR-FL _____ RAIL-FL _____ HIGHWAY _____ WATER-FL _____ OTHER _____

INCINERATOR _____ CONTAINERS _____ TANKS _____
SURF-IMPOUND _____ LANDFIL _____ LAND-TREAT _____
WASTE-PILES _____ OTHER _____

LAND-DISP-UNIV _____ STORE-TREAT-UNIV _____

COMMENTS _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

OFFICE OF SOLID
AND HAZARDOUS
WASTE MGMT
DEM

DEC 20 2 12 PM '93

ALLISON GAS TURBINE GM
ATTN: PATRICIA A. ELLIS
P.O. BOX 420
INDIANAPOLIS, IN 46206

REPLY TO THE ATTENTION OF:

This is in response to your letter of 12-01-93 regarding
the following installation:

U.S. EPA ID NUMBER:

IND 000-806-810

LOCATION OF INSTALLATION:

700 N OLIN AVE
INDIANAPOLIS, IN 46206

According to the information submitted, you have indicated that this facility
is no longer in need of the U.S. EPA ID number. Your ID number has been
coded as an inactive number. DO NOT USE this number without re-notifying the
U.S. EPA of your activity.

If you have any questions or need further assistance, please contact me at
(312) 886-6173.

Sincerely,

Sharon Kiddon

Sharon Kiddon
RCRA Notifications Coordinator
Waste Management Division

Enclosure

cc: State Agency
File

Printed on Recycled Paper

AMMH001373



Allison

Mania
IND 000806810

November 29, 1993
(RF:NC2648a)

Ms. Sharon Kiddon
US EPA Region V
RCRA Activities
Waste Management Division
77 Jackson Street
Chicago, IL 60604

Dear Ms. Kiddon:

This letter is written to inform you that Allison Gas Turbine, Plant 10 is no longer a generator of hazardous waste. We are hereby requesting deactivation of the generator identification number (IND 000806810) for this facility. All hazardous wastes previously generated at this site have been manifested to an off site treatment facility.

If you have questions, contact me at (317) 230-5456. Thank you for your cooperation in this matter.

Sincerely,

Patricia A. Ellis, Manager
Environmental Sciences

pae/nc

JRD
12/13/93GTM Approved, OMB No. 2050-0028, 3X285 6-31-93
USA No. 0246-EPA-07Date Received
(For Official Use Only)

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Notification of
Regulated Waste
Activity

United States Environmental Protection Agency

Please read the instructions
on page 1 of this form before
completing the form. The
information requested here is
required by law (Section 6010
of the Resource Conservation
and Recovery Act).

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)



A. First Notification

B. Subsequent Notification
(Complete form C)

C. Installation's EPA ID Number

IND 000 806 810

II. Name of Installation (Include company and specific site name)

ALLISON GAS TURBINE PLANT 10

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

5700 N MOLIN AVE

Street (continued)

City or Town

INDIANAPOLIS

State ZIP Code

IN 46206-

County Code

County Name

097 MARION

IV. Installation Mailing Address (See instructions)

Street or P.O. Box

PO BOX 420 MS S-44A

City or Town

INDIANAPOLIS

State ZIP Code

IN 46206-

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

CARAKER

(first)

KEVIN

Job Title

ENV ENGR NEER

Phone Number (area code and number)

317-230-6095

VI. Installation Contact Address (See instructions)

A. Contact Address
Location Mailing

B. Street or P.O. Box

City or Town

State ZIP Code

-

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

GENERAL MOTORS CORP

Street, P.O. Box, or Route Number

3044 N GRAND BLVD

City or Town

DETROIT

State ZIP Code

MI 48202-

Phone Number (area code and number)

313-974-5000

B. Land Type

P

C. Owner Type

P


D. Change of Owner Indicator

Yes No X

(Date Changed)

Month Day Year

Continue on reverse

ID - For Official Use Only																									
VBL Type of Regulated Waste Activity (Mark X in the appropriate boxes. Refer to instructions.)																									
A. Hazardous Waste Activity 1. Generator (See instructions) <input type="checkbox"/> a. Greater than 1000 kg/mo (2,200 lbs.) <input checked="" type="checkbox"/> b. 100 to 1000 kg/mo (220 - 2,200 lbs.) <input type="checkbox"/> c. Less than 100 kg/mo (220 lbs.) 2. Transporter (Indicate Mode in Boxes 1-3 below) <input type="checkbox"/> a. For own use only <input type="checkbox"/> b. For commercial purposes Mode of Transportation: <input type="checkbox"/> 1. Air <input type="checkbox"/> 2. Rail <input type="checkbox"/> 3. Highway <input type="checkbox"/> 4. Water <input type="checkbox"/> 5. Other - specify _____ <input type="checkbox"/> 3. Transfer, Store, Dispose (in installation) (Note: A permit is required for this activity; see instructions.) <input type="checkbox"/> 4. Hazardous Waste Fuel <input type="checkbox"/> 1. Generator Marketing to Burner <input type="checkbox"/> 2. Other Marketers <input type="checkbox"/> 3. Boiler and/or Industrial Furnace <input type="checkbox"/> 4. Other Devices <input type="checkbox"/> 5. Small Quantity Exemption Indicate Type of Combustion Device: <input type="checkbox"/> 1. Utility Boiler <input type="checkbox"/> 2. Industrial Boiler <input type="checkbox"/> 3. Industrial Furnace <input type="checkbox"/> 4. Underground Injection Control	B. Used Oil Fuel Activities 1. Off-Specification Used Oil Fuel <input type="checkbox"/> 2. Generator Marketing to Burner <input type="checkbox"/> 3. Other Marketers <input type="checkbox"/> 4. Burner - indicate device type Type of Combustion Device: <input type="checkbox"/> 1. Utility Boiler <input type="checkbox"/> 2. Industrial Boiler <input type="checkbox"/> 3. Industrial Furnace <input type="checkbox"/> 2. Specialized Used Oil Fuel Meeting or Exceeding API Spec 1500 Claims the Oil Meets the Specification																								
IX. Description of Regulated Wastes (Use additional sheets if necessary)																									
A. Characteristics of Nonlisted Hazardous Wastes. Mark X in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24) 1. Corrosive (D001) <input type="checkbox"/> 2. Combustible (D002) <input type="checkbox"/> 3. Reactive (D003) <input type="checkbox"/> 4. Toxicity Characteristic (D004) <input checked="" type="checkbox"/>																									
D 0 4 0 D 0 4 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 16.6%;">1</td><td style="width: 16.6%;">2</td><td style="width: 16.6%;">3</td><td style="width: 16.6%;">4</td><td style="width: 16.6%;">5</td><td style="width: 16.6%;">6</td></tr> <tr> <td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr> <td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr> <td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>		1	2	3	4	5	6							7	8	9	10	11	12						
1	2	3	4	5	6																				
7	8	9	10	11	12																				
C. Other Wastes. (State or other wastes requiring a handler to have an ID number. See instructions.) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 16.6%;">1</td><td style="width: 16.6%;">2</td><td style="width: 16.6%;">3</td><td style="width: 16.6%;">4</td><td style="width: 16.6%;">5</td><td style="width: 16.6%;">6</td></tr> <tr> <td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>		1	2	3	4	5	6																		
1	2	3	4	5	6																				
X. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. On behalf of General Motors Corp.																									
Signature 	Name and Official Title (type or print) F.B. Wallace, Vice President	Date Signed 11/24/93																							
XI. Comments 																									
Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)																									



Allison

OFFICE OF SOLID
AND HAZARDOUS
WASTE MGMT
DEM
Nov 29 11 40 AM '93

November 24, 1993
(RF:NC2648)

US EPA Region V
RCRA Activities
Waste Management Division
77 Jackson Street
Chicago, IL 60604

Gentlemen:

This letter is written to inform you of hazardous waste activities at Allison Gas Turbine, Plant 10. We are requesting reactivation of EPA ID# IND 000806810 as an hazardous waste generator by submitting EPA Form 8700-12. This will be effective only for a one time generation of hazardous waste and will be deactivated following transport to an off-site treatment facility.

If you have questions, contact me at (317)230-5456. Thank you for your cooperation in this matter.

Sincerely,

Patricia A. Ellis, Manager
Environmental Sciences

pae/nc

NOTIFIERS DATABASE
CHANGE OF STATUS FORM

file: 1A
county: MARLOW

463 7/18/90
EPA ID IND000806810 PREVIOUS-ID _____

NAME GMC-DOAD - PLANT 10

NEW NAME Plant 10 Allison Gas Turbine - GM

alias-one _____
alias-two _____

MAIL-ADDRESS P.O. Box 420 SUVA

MAIL-CITY, STATE, ZIP Indianapolis, IN 46206

LOC-ADDRESS _____

LOC-CITY, STATE, ZIP _____

COUNTY _____

**** PAGE 2 ****

CONTACT Gregory Etzel PHONE 317-230-3460

OWNERSHIP _____
LEGAL-TYPE _____ (Type of ownership)

STATCODE 6
OFFICIAL-FL _____ CERCLA-CD _____ PCB-FL _____
CONFIDENTIAL-FL _____

NOTIF-DT _____ REVISE DT _____

**** PAGE 3 ****

GENERATOR DELETE TRANSPORTER _____ TSD _____ UI _____ SQG _____

HWF-GMB-FL _____ HWF-OM-FL _____ HWF-BURNER-FL _____
OSUOF-GMB-FL _____ OSUOF-OM-FL _____ OSUOF-BURNER-FL _____
SPEC-OIL-MKTR-FL _____

UTIL-BOILER-FL _____ INDUST-BOILER-FL _____ INDUS-FURN-FL _____
AIR-FL _____ RAIL-FL _____ HIGHWAY _____ WATER-FL _____ OTHER _____

**** PAGE 4 ****

INCINERATOR-FL _____ CONTAINERS-FL _____ TANKS-FL _____
SURF-IMPOUND-FL _____ LANDFILL-FL _____ LAND-TREAT-FL _____
WASTE-PILES-FL _____ OTHER-PROCESS _____

LAND-DISP-UNIV _____ STORE-TREAT-UNIV _____

NAME: Jenny Ranck Dooley DATE: 6-21-90

SIC: 4225



☐ a. We have moved.

☐ b. We have changed ownership.

☐ c. We have changed hazardous waste activity.

☐ d. We have gone out-of-business.

☐ e. We no longer handle hazardous waste.

☒ f. We have changed our name (but not ownership).

(1) 4 2 2 5 (2) (3) (4)

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

[Signature]

(B.) SIGNATURE

4-2-90
(C.) DATE SIGNED

Please print or type with ELITE type (12 characters per inch). On behalf of General Motors

CHANGE OF STATUS FORM

325

COMPANY NAME Detroit Diesel Allison Plant 10 EPA ID IND 000806810Please change on DP file name: GMC-DDAD-Plant 10☒ Name☒ Address☐ ID Number☐ Activity☐ Status☒ Contact☐ Phone☐ Other(Please check any appropriate boxes. Then cite the new data on the lines below.)Your Name: S. Saurock 5/22/82

Data to be changed: _____

NAME = GMC-DDAD-Plant 10MAILING ADDRESS = P.O. Box 420
Indianapolis, In 46206-0420LOCATION ADDRESS = 700 N. Olin Ave
Indianapolis, In 46222CONTACT = Pete Cook
Speed Code S-44APhone =Activity = G

File in Company file (see above).

Division of Land Pollution 12/82

U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

INSTALLATION'S EPA I.D. NO.

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

III. LOCATION OF INSTALLATION

PLEASE PLACE LABEL IN THIS SPACE

1433
1433
00028

FOR OFFICIAL USE ONLY

COMMENTS

INSTALLATION'S EPA I.D. NUMBER

APPROVED

DATE RECEIVED
(yr., mo., & day)

F 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

8 0 0 8 1 8

I. NAME OF INSTALLATION

DETROIT DIESEL ALLISON PLANT 10

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

3 P O BOX 894 CODE P-12

CITY OR TOWN

ST.

ZIP CODE

4 INDIANAPOLIS IN 46206

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

5700 N OLLIN AVE

CITY OR TOWN

ST.

ZIP CODE

6 INDIANAPOLIS IN 46206

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

PHONE NO. (area code & no.)

2 BARNES R PLANT ENGINEER-INDPLS 317-242-4467

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

8 GENERAL MOTORS CORPORATION

B. TYPE OF OWNERSHIP
(enter the appropriate letter into box)

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

F = FEDERAL
M = NON-FEDERAL☒ A. GENERATION☐ B. TRANSPORTATION (complete item VII)☒ C. TREAT/STORE/DISPOSE☐ D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ A. AIR☐ B. RAIL☐ C. HIGHWAY☐ D. WATER☐ E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA I.D. Number in the space provided below.

☒ A. FIRST NOTIFICATION☐ B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

IND000806810

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

W	I	N	D	0	0	0	8	0	6	8	1	0	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1 F 0 1 7 23 - 26	2 23 - 26	3 23 - 26	4 23 - 26	5 23 - 26	6 23 - 26
7 23 - 26	8 23 - 26	9 23 - 26	10 23 - 26	11 23 - 26	12 23 - 26

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary. NONE

13 23 - 26	14 23 - 26	15 23 - 26	16 23 - 26	17 23 - 26	18 23 - 26
19 23 - 26	20 23 - 26	21 23 - 26	22 23 - 26	23 23 - 26	24 23 - 26
25 23 - 26	26 23 - 26	27 23 - 26	28 23 - 26	29 23 - 26	30 23 - 26

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary. NONE

31 23 - 26	32 23 - 26	33 23 - 26	34 23 - 26	35 23 - 26	36 23 - 26
37 23 - 26	38 23 - 26	39 23 - 26	40 23 - 26	41 23 - 26	42 23 - 26
43 23 - 26	44 23 - 26	45 23 - 26	46 23 - 26	47 23 - 26	48 23 - 26

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49 23 - 26	50 23 - 26	51 23 - 26	52 23 - 26	53 23 - 26	54 23 - 26
---------------	---------------	---------------	---------------	---------------	---------------

E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☒ 1. IGNITABLE
(D001)


☒ 2. CORROSIVE
(D002)

☐ 3. REACTIVE
(D003)

☒ 4. TOXIC
(D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE 	NAME & OFFICIAL TITLE (type or print) R. M. Clark, Jr., Manager, Indianapolis Operations	DATE SIGNED August 18, 1980
---	--	-----------------------------------

U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

PLEASE PLACE LABEL IN THIS SPACE

FOR OFFICIAL USE ONLY

COMMENTS

INSTALLATION'S EPA I.D. NUMBER

APPROVED

DATE RECEIVED
(yr., mo., & day)

I. NAME OF INSTALLATION

DETROIT DIESEL ALLISON PLANT 10

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

3 P O BOX 894 CODE P-12

CITY OR TOWN

ST.

ZIP CODE

4 INDIANAPOLIS

IN 46206

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

5700 N OLIN AVENUE

CITY OR TOWN

ST.

ZIP CODE

6 INDIANAPOLIS

IN 46206

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

PHONE NO. (area code & no.)

2 BARNES R PLANT ENGINEER-INDPLS 317-242-4467

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

8 GENERAL MOTORS CORPORATION

B. TYPE OF OWNERSHIP
(enter the appropriate letter into box)F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

☒ A. GENERATION☐ B. TRANSPORTATION (complete item VII)☐ C. TREAT/STORE/DISPOSE☐ D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ A. AIR☐ B. RAIL☐ C. HIGHWAY☐ D. WATER☐ E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

☐ A. FIRST NOTIFICATION☐ B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

July 1, 2003

Dan McNerny, Esq.
Bose McKinney & Evans
2700 First Indiana Plaza
135 North Pennsylvania Street
Indianapolis, IN 46204

In re: Michigan Meadows Apartments and
Michigan Plaza Shopping Center,
Indianapolis, Indiana
Your File No. 12950-1

Dear Mr. McNerny:

The Indiana Department of Environmental Management ("IDEM") is in receipt of the information submitted on June 11, 2003 ("AIMCO Report"), by you on behalf of Apartment Investment and Management Company. IDEM is currently performing a full technical review of the AIMCO Report. However, I wish to convey some preliminary feedback about the AIMCO Report and the voluntary remediation taking place at the Former Allison Engine Plant 10.

Upon initial review of the AIMCO Report, IDEM does not believe that the information presented therein indicates an imminent health threat requiring immediate action to relocate people or businesses or other immediate abatement action. The AIMCO Report described four locations with vapor contaminant sample readings appreciably elevated above target vapor levels.¹ The most significant of these readings was in the former library branch located in the Michigan Plaza Shopping Center, which, as you have conveyed to me, is now vacant. Two apartments in the Michigan Meadows Apartments also had elevated readings, but these apartments were listed in the AIMCO report as being vacant. Finally, the reading from the Village Pantry, located in the Michigan Plaza Shopping Center, had contaminant levels in excess of residential levels. However, the level found at the Village Pantry is lower than generally accepted worker exposure levels. Based on this worker exposure level, there is no need for immediate action. In sum, the AIMCO Report does not indicate that conditions require immediate action to eliminate exposure to contaminants.

¹ The AIMCO Report does not identify the source for the IDEM target vapor levels used to assess the sampling results. In fact, IDEM has not yet developed final vapor levels for general applicability. In this analysis, IDEM is utilizing site-specific residential numbers developed for another site, except as noted.

Mr. McNerny
Page 2 of 2
July 1, 2003

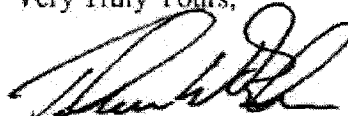
Additionally, IDEM has concerns with the manner in which the data were collected. For example, no outdoor ambient level of contaminants was determined, soil gas sampling was insufficient, and sampling canisters were not placed in ideal locations. In particular, the placement of canisters next to heating vents and at ground level could cause the empirical data to be biased high.

The AIMCO Report does, however, indicate the potential for a vapor intrusion problem at Michigan Meadows Apartments and the Michigan Plaza Shopping Center. IDEM believes that further investigation of these sites is prudent. When additional data has been gathered, it will be possible to further evaluate any potential hazards. As such, IDEM is assigning a project manager to handle the site through IDEM's State Cleanup Program. Because of the continuing potential for vapor intrusion within the Michigan Meadows Apartments and the Michigan Plaza Shopping Center, and because of the concerns IDEM has with the manner of data collection conducted to date, IDEM believes that additional vapor intrusion sampling should be conducted. IDEM would like to extend the opportunity to AIMCO to conduct this sampling. However, IDEM strongly advises that AIMCO first contact IDEM for individualized guidance so as to prevent any potential data validity issues.

With respect to liability for the contamination at the Michigan Meadows Apartments and the Michigan Plaza Shopping Center, IDEM does not believe it is prudent at this time to hold responsible or exonerate any particular party. Furthermore, IDEM will not construe AIMCO's voluntary actions to investigate the potential contamination as evidence of liability, although the data generated thereby may be used by IDEM in an effort to assess liability.

IDEM would like to know AIMCO's intentions as to further sampling as soon as that decision is made. Should AIMCO decide to undertake this sampling, they or their consultant should contact Bill Hayes at (317) 233-1513 for guidance. If you have any other questions about this matter, please call me at (317) 233-1207 or call (800) 451-6027, press 0, and ask for me.

Very Truly Yours,



Thomas W. Baker
Attorney
Office of Legal Counsel

cc: Mr. Bob Lewis, Genuine Parts Company
Mr. Andy Gremos, Keramida Environmental
Mr. Jefferey W. Larmore, Marion County Health Department
IDEM project managers